

# IBC 2013

Stand  
12.A10

## New Product Guide



Cinematography



News & Broadcast Production



Live Production



Corporate & Events Production



Workflow Solutions

# SONY

make.believe

# Welcome to Sony

IBC 2013

Dear Colleagues,

IBC 2013 once again is a major point for all of us at Sony this year. From our full line of HD technologies to new solutions for HD and 4K, this tradeshow is truly a showcase for all of our innovations.

Sony's theme for IBC 2013, "Beyond Definition" illustrates how Sony is driving innovation with the development of diverse and new solutions for high-resolution content creation, far beyond HD, in broadcast and other markets. As you all know, our industry is changing almost on a daily basis and we're no longer defined by hardware or software, codecs or resolution. It's about truly listening to our customers and coming up with the solution that fits their needs.

So listen and sell and have a great IBC!

**Olivier Bovis, Head of AV Media**  
**Sony Europe**

# Contents

|                                   |          |
|-----------------------------------|----------|
| <b>Welcome</b>                    | <b>1</b> |
| <b>Becoming a Channel Partner</b> | <b>4</b> |

|  |           |
|--|-----------|
| <b>Cinematography</b>                    | <b>7</b>  |
| <b>News &amp; Broadcast Production</b>   | <b>9</b>  |
| <b>Live Production</b>                   | <b>11</b> |
| <b>Corporate &amp; Events Production</b> | <b>13</b> |
| <b>Media Solutions</b>                   | <b>15</b> |

|   |           |
|---|-----------|
| <b>News &amp; Broadcast Production Workflow</b> | <b>17</b> |
|---|-----------|

|  |           |
|--|-----------|
| <b>Sony Codec World: from HD to 4K</b> | <b>18</b> |
|--|-----------|

## PRODUCTS

### Cinematography

|               |    |
|---------------|----|
| F65RS/VF      | 19 |
| SR-R4         | 21 |
| SR-R1         | 23 |
| SR-PC4        | 25 |
| SRPC-5        | 26 |
| SR-R1000      | 27 |
| SRMemory Card | 29 |
| SR-D1         | 31 |
| PMW-F55       | 32 |
| PMW-F5        | 34 |
| AXS-R5        | 36 |
| AXS-512S24    | 37 |
| AXS-CR1       | 38 |
| SCL-PK6/M,    |    |
| SCL-PK/F,     |    |
| SCL-PK3/M &   |    |
| SCL-PK/F      | 39 |
| DVF-L350      | 40 |

|           |    |
|-----------|----|
| DVF-EL100 | 41 |
| DVF-L700  | 42 |
| VCT-FSA5  | 43 |
| BP-FL75   | 44 |
| BC-L90    | 45 |

### XDCAM Family

|                         |    |
|-------------------------|----|
| Introduction            | 46 |
| Content Browser V2.1    | 46 |
| PMW-50                  | 49 |
| PMW-1000                | 50 |
| XDS-PD2000 & XDS-PD1000 | 52 |
| XDCAM HD422 Family      | 54 |
| SBAC-US20               | 55 |
| PDW-U2                  | 56 |
| CBK-WA100               | 57 |
| PMW-400                 | 58 |
| PMW-500                 | 60 |
| PXW-Z100                | 62 |
| PMW-150                 | 64 |
| PMW-200                 | 66 |
| PMW-300K1               | 68 |
| PMW-300K2               | 70 |
| ACC-U60                 | 72 |
| BP-U60T                 | 73 |

### Professional Media

|            |    |
|------------|----|
| PFD-100TLA | 74 |
| PFD-128QLW | 75 |
| SBP-128B   | 76 |
| PSZ-HA1T   | 77 |
| PSZ-SA25   | 78 |

### NXCAM/AVCHD

|              |    |
|--------------|----|
| Introduction | 79 |
| HXR-IFR5     | 80 |

|               |    |
|---------------|----|
| NEX-FS700R    | 81 |
| NEX-FS700RH   | 83 |
| NEX-FS100E/EK | 85 |
| NEX-EA50EH    | 87 |
| HXR-NX30E     | 89 |
| HXR-NX70E     | 91 |
| HVL-LBPB      | 93 |

### Creative Software

|                     |     |
|---------------------|-----|
| Vegas Pro 12        | 94  |
| Blu-print 6         | 96  |
| DoStudio Authoring  | 98  |
| DoStudio Encoder    | 99  |
| Z Depth             | 100 |
| SpectraLayers Pro 2 | 102 |
| SoundForge Pro 11   | 104 |
| Sound Forge Pro Mac | 106 |

### Broadcast & Professional Monitors

|  |     |
|--|-----|
| Introduction                               | 108 |
| BVM-E250A & BVM-E170A                      | 110 |
| BVM-F250A & BVM-F170A                      | 112 |
| PVM-2541A & PVM-1741A                      | 114 |
| PVM-741                                    | 116 |
| PVM-X300                                   | 118 |
| BKM-XP1                                    | 120 |
| LMD-4251TD & LMD-2451TD                    | 121 |
| LMD-2341W, LMD-2041W, LMD-1541W & LMD-941W | 123 |

# Contents

<<<

|  |     |
|--|-----|
| LMD-2110W,<br>LMD-1510W &<br>LMD-1530W | 125 |
|--|-----|

## Professional Audio

|              |     |
|--------------|-----|
| Introduction | 127 |
| DWM-02       | 128 |
| DWR-R02D     | 129 |
| DWR-S02D     | 130 |
| DWA-F01D     | 131 |
| Wireless     |     |
| Studio 3.0   | 133 |
| ECM-MS2      | 134 |
| ECM-FT5      | 135 |
| ECM-CG50BP   | 136 |
| DWA-CU01NM   | 137 |

## Live Production

|                               |     |
|-------------------------------|-----|
| Introduction                  | 138 |
| AWS-750                       |     |
| Anycast Touch                 | 140 |
| CA-4000                       | 141 |
| BPU-4000                      | 142 |
| LA-FZB2                       | 143 |
| HDC-2570                      | 144 |
| HDTX-200 &<br>HDFX-200        | 146 |
| HKC-TR27                      | 147 |
| HDC-1700                      | 149 |
| HZC-PRV17                     | 150 |
| HDC-3300R/1 &<br>HDCU-3300R/1 | 151 |
| HDC-2000W/B                   | 152 |
| HDC-2400/DF                   | 154 |
| HDC-2500                      | 156 |
| HSC-300R/RF                   | 158 |
| HSC-100R/RF                   | 160 |
| HSCU-300R/RF                  | 162 |
| HXCU-TX70                     | 164 |
| HKCU-FP2                      | 165 |

|                                     |     |
|-------------------------------------|-----|
| HDC-P1                              | 166 |
| HZC-PRVP1                           | 167 |
| HDFA-200                            | 168 |
| HZC-CSM10                           | 169 |
| HZC-RCP5                            | 170 |
| HDCU-2500                           | 171 |
| HDCU-2000                           | 172 |
| HDCU-1700                           | 174 |
| HXCU-D70                            | 175 |
| HXC-D70                             | 176 |
| HXCU-FB70                           | 178 |
| HXCE-FB70                           | 179 |
| CA-FB70                             | 180 |
| CA-TX70                             | 181 |
| IP Live Manager                     | 182 |
| NXL-IP55                            | 183 |
| CNA-1                               | 184 |
| MVS Series                          |     |
| Switchers                           | 185 |
| MVS-7000X &<br>MVS-8000X            | 186 |
| MVS-6530                            | 188 |
| MVS-3000A                           | 190 |
| PWS-4400                            | 192 |
| MCS-8M                              | 193 |
| BRC-H900                            | 194 |
| BRC-H700,<br>BRC-Z700 &<br>BRC-Z330 | 195 |
| BRBK-IP10 &<br>BRBK-IP7Z            | 196 |
| RM-IP10                             | 197 |

## Workflow Solutions

|                           |     |
|---------------------------|-----|
| ELC-MVS01                 | 198 |
| Media Backbone            |     |
| Introduction              | 200 |
| Sonaps                    | 201 |
| User Generated<br>Content | 202 |

|                          |     |
|--------------------------|-----|
| XpriNS Team              | 203 |
| Conductor &<br>Navigator | 204 |

## Archive Solutions

|                                      |     |
|--------------------------------------|-----|
| Optical Disc Archive                 |     |
| Introduction                         | 206 |
| ODS-L10                              | 208 |
| ODS-L30M                             | 209 |
| ODS-L60E                             | 210 |
| ODS-L100E                            | 211 |
| Optical Disc Archive<br>File Manager | 212 |
| ODS-D55U                             | 213 |
| ODS-D77U                             | 215 |
| ODS-D77F                             | 216 |
| XDCAM Archive                        | 217 |

|                                  |     |
|----------------------------------|-----|
| <b>Professional<br/>Services</b> | 219 |
|----------------------------------|-----|

|                      |     |
|----------------------|-----|
| <b>Support Group</b> | 220 |
|----------------------|-----|

|                                 |     |
|---------------------------------|-----|
| <b>Value Added<br/>Services</b> | 221 |
|---------------------------------|-----|

|                                  |     |
|----------------------------------|-----|
| <b>Service &amp;<br/>Support</b> | 222 |
|----------------------------------|-----|

|                 |     |
|-----------------|-----|
| <b>Training</b> | 223 |
|-----------------|-----|

|                               |     |
|-------------------------------|-----|
| <b>Financial<br/>Services</b> | 224 |
|-------------------------------|-----|

# Become a Channel Partner

## About Sony Professional Channel Partners

Our accredited channel partners benefit from over 20 years of Sony business understanding, technological expertise and industry-leading products.


Please follow the relevant link to find our latest information, insights and support material for your area of expertise.

[Your must be registered and logged in to access this information >](#)



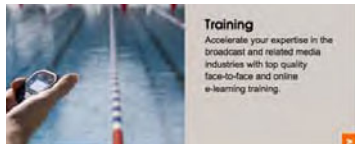
**Offers & Promotions**  
View all current offers and promotions designed to help you generate and close more business.

[Offers & Promotions >](#)



**Latest Updates**  
★ NAB 2013 Product Guide

[Latest Updates >](#)



**Training**  
Accelerate your expertise in the broadcast and related media industries with top quality face-to-face and online e-learning training.

[Training >](#)




**Catalogues**  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.

[Catalogues >](#)



**Online Briefing**  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.

[Online Briefing >](#)



**Market Insight**  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.

[Market Insight >](#)




**Order Online**  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.

[Order Online >](#)




**Campaigns**  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.

[Campaigns >](#)




**Resources**  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.

[Resources >](#)



**Summit**  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.

[Summit >](#)



**Feedback**  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.  
Access guides, catalogues and tools.

[Feedback >](#)

>>>

# Become a Channel Partner

<<<

## Partners Area Homepage

This area of the site is generally intended for non-product specific information for our SPSS's with a few exceptions. Sections include:

### Training

A range of face to face training courses and e-learning modules offered by the Training team via the Knowledge portal. This is a single generic click through to the Training portal.

### Offers & Promotions

All the information a dealer needs to take advantage of our latest offers in the form of a PowerPoint document.

### Catalogues and Online Charts

Information applicable to a product range or product ranges exclusively published to support SPSS staff and their sales activity. This is not product specific content.

### Quarterly Marketing Brief

A bite sized edition of the QMB created & published by the training team.

### Market Information

Industry insight & market trends commissioned by Sony to help SPSS's plan their business.

### Co-Marketing Materials

Web banners, ad templates and similar designed to support SPSS marketing activity.

### Resources

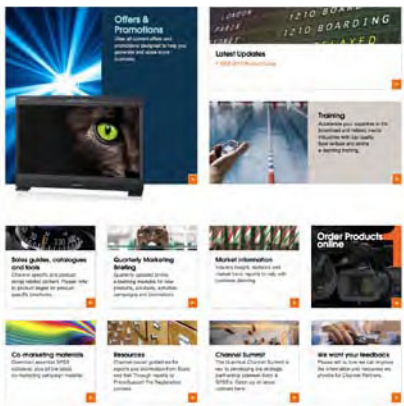
Resources available to SPSS's that help them work effectively with Sony, this includes the SST 'how to guide', links to Prime Support registration, etc.

### Channel Summit

The latest information to come out of the Channel Summit.

### Product Launch Packs

A single zip file containing all the content needed ahead of a product launch.



>>>

# Become a Channel Partner

<<<

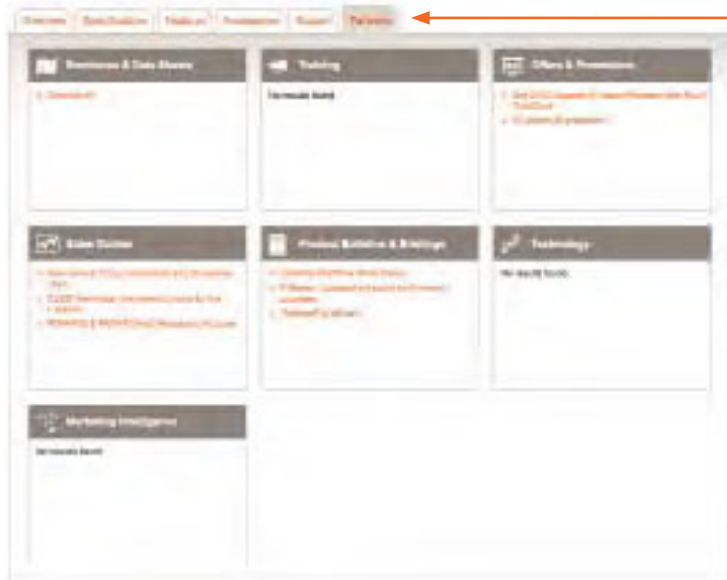
## Partners tab on individual online product pages

Every product page features a 'Partners' tab that is visible only when logged in. This information is exclusive to SPSSs and should be relevant to a specific product or products

You must be registered and logged in to access this tab >

### PMW-F55

Super 35mm 4K 230fps Cinema camera  
with 100% AF and 100% AF-ON  
100% AF-ON



## Featured Products

F65

PMW-F55 (pictured)

PMW-F55 with CA-4000 fibre adapter

PMW-F5

BVM TRIMASTER EL™ OLED

PVM-X300



## Cinematography

Sony has been developing technology for electronic motion picture capture for over 30 years, and today offers the most comprehensive line-up of Super 35mm digital cameras in the industry. Whether you are working on your first short film, creating commercials for global distribution or shooting blockbuster movies for 4K cinema release, Sony can help you realise your creative vision.

### Image capture at the top end

We have a whole range of the highest quality digital cameras for drama, movies, documentaries and commercials acquisition.

A major highlight is the groundbreaking F65 CineAlta digital motion picture camera. The F65 has redefined the performance level for digital acquisition offering exceptional picture performance for HD, 2K and 4K acquisition.

The PMW-F55 and PMW-F5 are two new CineAlta 4K cameras, complemented by a full line-up of new accessories. With a modular and compact design for easy configuration, each camera features a new type of 4K Super 35mm image sensor.

The cameras deliver unprecedented creative options for HD and 2K (PMW-F5) and HD, 2K and 4K (PMW-F55) production, supporting XAVC, SR and XDCAM HD422 50 Mbps. In addition, both cameras can record onto the new AXS-R5 RAW recorder to capture 2K RAW or 4K RAW files and slow-motion up to 240fps.

The new CineAlta cameras revolutionise the scope of 4K across many different genres, shooting scenarios and recording media, combining an economic investment with the very best technologies.

>>>



## HD and 4K production workflow

Sony enables the complete HD and 4K production workflow from acquisition through post production to cinema projection. We provide on-set and post production workflows in both the HD and 4K domain.

We have a fully open approach to dailies and post production and offer file-based integration with systems from an extensive network of alliance partners.

Sony's new XAVC recording format is at the heart of its latest industry-leading products. XAVC provides a dedicated 4K format that will encourage the adoption of 4K beyond feature films, in genres such as TV Dramas, Entertainment shows, Documentaries, Music Promo and Commercials.

XAVC employs MPEG-4 AVC/H.264 level 5.2, the highest picture resolution and frame rate video compression codec based on industry standards. XAVC enables a very wide range of operational possibilities for content production, notably: from Proxy to 4K pixel resolutions, intra frame and long GOP schemes, and 1080 50P/60P infrastructure capability.

## Stunning monitor and projection options

Our TRIMASTER EL™ Professional OLED monitors range from the 7-inch PVM-741 field monitor to the new 25-inch BVM-E250A Master Monitor. Based on customer feedback our 17 & 25" PVM, BVM-F & BVM-E series monitors have now been improved to give the widest viewing angle of any flat panel to date. The flagship of our professional LCD monitor range is the PVM-X300, a 30-inch 4K TRIMASTER™ monitor capable of displaying over four times the Full HD resolution in a single screen. PVM-X300 is the ideal companion to the PMW-F55 cinematography camera for OnSet acquisition, offering single link HDMI connection, a colour focus assist function and a new SxS Player option kit.

And for cinema projection, the stunning display of pictures can be fully appreciated via a Sony 4K cinema projector.

# News & Broadcast Production

IBC 2013

## Featured Products

PMW-400 (pictured)  
CBK-WA100  
PMW-1000  
PMW-500  
PMW-300  
PMW-200  
PMW-150  
PMW-50  
PDW-680  
PDW-HD1200  
PDW-700  
PDW-F800  
XDS-PD1000/PD2000  
PDW-U2  
SBAC-US20

## News & Broadcast Production

Sony offers a complete range of news and broadcast production solutions for a wide range of applications, including newsgathering, entertainment, documentary and live events. Over 7,500 2/3-inch camcorders have been sold over the past five years by Sony in Europe, making Sony the leading player in this market. The company strives to be always bringing new and user-friendly technology to the end-users in the field.

### PMW-400 XAVC ready camcorder

One of the main highlights of IBC 2013 is the new PMW-400 camcorder. The PMW-400 is an affordable 3x 2/3-inch Exmor CMOS high quality sensor broadcast camcorder that supports all SD / HD 422 broadcast workflows using .MXF files and XDCAM EX workflows using

Content Browser 2.1  
LMD-941W  
PVM TRIMASTER EL™ OLED  
DWX Series  
ODS-L10  
Sonaps  
CBK-WA100



.MP4 and .AVI. files It is also future-proofed to support XAVC 10-bit HD422 recordings.

With the new CBK-WA100 wireless adapter, content can be wirelessly uploaded to the customer's server or cloud service via the 3G/4G mobile phone network.

IBC 2013 is also showing the new compact, affordable PMW-1000 SxS memory recording deck. This half-rack size recorder has two SxS ExpressCard™ memory card slots providing a wide variety of HD and SD recordings and playback, including 50 Mbps XDCAM HD422 and XAVC HD422.

The new version of the perfectly balanced and light-weight PMW-500 2/3-inch 3x Power HAD FX CCD sensors camcorder offers connectivity with Apple iPads or Android mobile devices to benefit from XMPilot operation as well as for simple remote control, including zoom, focus, iris and white balance

>>>

# News & Broadcast Production

IBC 2013

<<<

control, as well as recording and playback functions (CBK-UPG01 option supplied free of charge). The optional CBK-WA01 WiFi Adaptor is required for all wireless operations.

## PMW-200

The PMW-200 offers high sensitivity and reliability in an ultra compact body, while offering a true HD zoom lens with manual control of zoom, focus and iris rings. It is the perfect handheld companion for the PMW-500 for a consistent HD422 50Mbps workflow. Together, they are the best combination to be first on air.

## PMW-50 and PMW-1000

The PMW-50 SxS Field Gear is the ideal companion for the PMW-500 and PMW-200 camcorders for field operations, offering a practical and flexible tool to enhance the SxS workflow. The lightweight, rugged handheld recorder/player offers full portability for news and field operations. Weighing less than 1kg, the unit is designed to be tough and insensitive to vibrations and can be operated on a BP-U battery.

The compact, affordable PMW-1000 SxS memory recording deck has two SxS ExpressCard memory card slots providing a wide variety of HD and SD recordings and playback, including 50 Mbps XDCAM HD422.

## PDW-680 & PDW-HD1200

With the PDW-680 camcorder and PDW-HD1200 Professional Disc deck, cost effective, robust and long-

lasting Professional Disc technology is now within anybody's reach.

The PDW-680 completes the existing family – composed of the PDW-700 and PDW-F800 that are now industry standard camcorders and provide cost efficient reliability out in the field.

## XDS-PD1000/PD2000 V2.3 and up

The XDCAM Station constantly evolves to offer even greater multi tasking. Since IBC 2012, they feature frame chase editing with Avid and allow you to create an EDL from the front panel. They are now also compatible with the triple layer Professional Disc, permitting a full movie to be stored on a single Disc (three hours) for playout or a full conference (four hours) to be recorded on a Quad Layer disc.

The XDBK-106 option will soon be available to activate XAVC compatibility in the XDS-PD2000 solid-state deck to enable record and playback @ 100Mbps 1080i 59.94i /50i /30P/23.9 8P/25P in XAVC HD422 mode.

## Content Browser 2.1

The Content Browser application has been updated to Version 2.1. Usable with XDCAM & NXCAM products, the new version offers XAVC support to allow the playback of files shot with the new PMW-F5 and PMW-F55 4K cameras. Customers need a license key to activate Content Browser V2.1, while Content Browser V1.1 can still be downloaded free of charge from [www.sonycreativesoftware.com](http://www.sonycreativesoftware.com).

# Live Production

IBC 2013

## Featured Products

HDC-2570  
HDC-2500 with NXL-IP55 integration  
HDC-2400 with Wireless Sidecover  
HDC-1700  
HDC-3300R/1  
HDC-P1  
HSC-300RF  
HSC-100R  
HXC-D70 + CA-FB70/HXCU-FB70  
F55 + CA-4000/BPU-4000 (pictured)  
MVS-7000X HD and 4k mode  
MVS-6530 with ELC

## Live Production

### 4K Live

IBC 2013 marks the launch of 4K Live Production from Sony. This means not just 4K cameras as Sony has developed all key products to form a full 4K Live Production Solution from shooting to viewing.

Core of this is CA-4000, the camera adapter for F55 which together with BPU-4000 is providing system camera functionality in a studio environment. Full System camera functionality including return, Intercom, power etc. is provided when added to an existing HSCU-2000/2500 CCU. However this system does not only provide 4K live but also brings new capabilities to HD production like 240fps and cut-out. A very versatile system for 4K, HD, HFR giving great ROI to the customer, also due to the reuse of existing CCU, RCP and Viewfinders.

In the 4K Live section, MVS-7000X is shown as the centrepiece of a 4K live production studio, adding real time

MVS-3000A  
AWS-750 Anycast Touch  
BRC-H900  
PWS-4400  
4K Stitch + Telestration  
NXL-IP55  
PVM-xx41 series Monitors  
BVM OLED-Monitors  
DWX Series Wireless Audio



effects to 4K inputs or upconverting HD images to 4K using the new upconverter boards.

Brand new at IBC is our PWS-4400 Multi Port AV Storage Unit. This 2TB server is capable of recording four 4K channels using XAVC codec and, by its innovative touch panel control, is the centrepiece of the HD cut-out or 4K stitch/telestration solution.

The flagship of our professional LCD monitor range is the PVM-X300, a 30-inch 4K TRIMASTER™ monitor capable of displaying over four times Full HD resolution in a single screen.

### New HSC R-Series

Brand new at IBC 2013 we are proud to launch the successor of the highly successful HSC-300/HXC-100 camera series. The new HSC-100R/RF and HSC-300R/RF are now equipped with the latest CCD, 16bit A/D converter and DSPs to provide even better picture quality as its predecessors. New is the availability of a fibre version with allows up to 2km fibre transmission from camera

>>>

<<<

to HSCU-300RF. This CCU can be upgraded to MSU mode and have an optional front panel directly on the CCU, for RCP functionality.

### HDC-Series

The HDC-Series continues to be the top of the Sony System Camera Line-up, future-proofed by the upgrade of several cameras to 50p capability: HSC-P1 is upgradable to 50p by software, the new HDC-3300R/1 is 150p capable (thus 3x 50p) and last but not least HDC-1700 can be upgraded by software to 3G mode making it our most affordable 3G camera with the acclaimed durability and picture quality in the HDC-Series.

### New Anycast Touch

Demonstrated at IBC is the much anticipated replacement to the Anycast Station. The new Anycast Touch is displayed at multiple locations across the stand. Its unique dual touch screen, simple user interface and powerful media management, allow events and corporate producers to get the best of an all in one box, integrated audio/video switcher.

### Powerful new switchers

We will have on display our full range of live production switchers with exciting product innovations across the range. The MVS-3000 series is enhanced with the announcement of the MVS-3000A and a new 16 button control panel. The MVS-6530 is demonstrated together with the ELC automation control system and

we will also demonstrate the latest software features on the market leading MVS-7000X.

### Stunning monitors

Our TRIMASTER EL™ Professional OLED monitors range from the 7-inch PVM-741 field monitor to the new 25-inch BVM-E250A Master Monitor. Based on customer feedback our 17 & 25" PVM, BVM-F & BVM-E series monitors have now been improved to give the widest viewing angle of any flat panel to date.

### DWX Digital Wireless Audio

DWX Digital Wireless Audio Solutions are still the only full digital multichannel systems on the market with a high reputation in all production areas, from ENG, Broadcast and Live, up to opera houses and theatres.

### Real time IP Network Production Technology

Just in front of the Theatre we will demonstrate Sony's Innovation in real-time IP Network Production Technology. This future technology will close the gap between AV and IT, replacing SDI by Ethernet Technology for enhanced remote production and infrastructure. This system is format agnostic (SD, HD, 3D, 4K...) and can help reduce cost by less cables (space and weight) plus less SI cost and set-up times.

We are demonstrating 8x8 AV IP routing using standard IP switchers to guarantee stable QoS and seamless switching.

# Corporate & Events Production

IBC 2013

## Featured Products

PXW-Z100

NEX-FS700R

NEX-FS700RH

HXR-IFR5

PMW-300

PMW-200

PMW-150

HXR-NX30E

NEX-EA50EH

UWP Series Wireless Audio Packages

BRC Camera Series with IP Control

NXL-IP55

Anycast Touch

MCS-8M

LMD-xx41 series

PVM-xx41 series

## Corporate & Events Production

Today's business environment is changing rapidly with clients adapting to new and emerging technology shifts. With this in mind, at IBC 2013, Sony showcases products and solutions for your Corporate & Event business, whether this is the expanding range of affordable 4K acquisition tools, the industry's strongest range of handheld camcorders or cost-effective end-to-end solutions for live event production.

### 4K acquisition for every budget and application

Being shown for the first time at IBC 2013 is the incredible PXW-Z100 handheld camcorder capable of capturing stunning 4K content, making 4K acquisition more accessible than ever before. In addition the HXR-IFR5 4K interface unit alongside the NEX-FS700R



& NEX-FS700RH, which come with the latest v3.0 4K firmware installed as standard, bring 4K RAW acquisition to an ever wider range of applications. Corporate and Event camera operators can benefit from 4K today through video wall and large projection applications, as well as by utilising the greater flexibility in post production when delivering HD.

### Range of HD 422 50 Mbps camcorders

At IBC 2013, Sony continues to enhance the strongest range of HD 422 50 Mbps handheld camcorders on the market. The PMW-300 XDCAM Camcorder builds on the hugely popular, 1/2" PMW-EX3 and is capable of recording 4:2:2 50 Mbps material with a migration path to support Sony's revolutionary XAVC codec, extending the lifecycle of the product to ensure maximum return on investment. The PMW-300 is available with a 14 x or 16 x zoom

>>>

# Corporate & Events Production

IBC 2013

<<<

lens and like the PMW-EX3 is sure to establish itself as an industry workhorse.

Visitors are also able to see our end-to-end live event production solutions including the portable, intuitive Anycast Touch and Sony's BRC robotic camera range. In fact the Anycast Touch is incredibly easy to use and whether required for live broadcasting or webcasting this innovative tool makes live event production accessible to all levels of users. Finally Sony's full NXCAM range with camcorders, such as the HXR-NX30E and NEX-EA50EH, which feature a number of innovative features are all available for demonstration and hands on time during the show.

## **New frequency packages for UWP wireless microphones**

Also as an accompaniment to these new acquisition tools, Sony has confirmed new lower frequency packages on its popular UWP series wireless microphone kits. These will now be on offer in not just channels 38-40, but 33-35, 42-44 and 57-59, compliant with the new lower frequency moves within the European market.

## **Affordable live production cameras**

For live event applications you will see a range of configurations for a full entry level solution. Products in this range include the popular BRC robotic PTZ cameras now featuring IP control. Using these, together with the NXL-IP55 IP Live Production, it is possible to transmit and control up to three cameras via a single IP cable. This will feed into the Anycast Touch, a state of the art all in one video/ audio switcher and the successor to the popular Anycast Station.

## **Affordable monitors**

PVM-xx41 and LMD-xx41 series professional monitors are using the same chassis bringing system consistency, common operational flexibility and maintenance ease. LMD-xx41 series can be proposed as a cost alternative and affordable solution to the high-end PVM-xx41A series.

# Workflow Solutions

IBC 2013

## Featured Products

Picture Stitching

ELC-MVS01

Sonaps

Conductor & Navigator

Optical Disc Archive PetaSite

scalable library

ODS-L10 (pictured)

ODS-D55U

ODS-D77U



## Workflow Solutions

The Workflow Solutions area of the stand highlights Sony's expertise in the design, installation and support of fully integrated solutions for the capture, storage and distribution of audiovisual assets. We are experts in the Media Content Workflows and our services are delivered to a wide range of media and corporate organisations throughout Europe. The portfolio we will show at IBC 2013 includes:

### Media Backbone Conductor

A Workflow Orchestration and Integration Platform that simplifies the integration of Digital Production Islands and delivers a truly end-to-end Tapeless Environment.

### Media Backbone Navigator

An option for MBC which provides Content management functionality and enables users to view and manage content that is being processed by MBC or content that is stored in applications and systems connected to MBC. "Navigator" works seamlessly with the "Conductor" Workflow Engine and users can instigate and monitor processes directly from within the Navigator GUI.

### Media Backbone Sonaps

Sonaps is a production solution that integrates every aspect of news, magazine and sports production – from planning, acquisition and editing to playout, distribution, streaming and archive.

>>>



# Workflow Solutions

IBC 2013

<<<

## ELC

ELC, is Sony's enhanced live production control system that can automate and control core operational tasks in a news environment, to deliver productivity gains and quality improvements. We will also showcase our solutions for sports applications with an area assigned to innovation in sport, including Hawk-Eye solutions. Whether your customers are looking to exploit the potential of high definition (HD), 4K or 3D best of class technologies, SOA, networked production, sophisticated archive systems, sports applications, or to upgrade your existing HD media systems – our experts can turn your vision into practical, sustainable and profitable solutions. We work with all your customers' stakeholders, not only technical staff but your financial, operational and marketing teams, to make sure that the solution fits the dynamics of their organisation. Our focus is on a strong partnership at all levels so we can add value to your customers' business.

## Optical Disc Archive

Optical Disc Archive goes from strength to strength. Ideal for long term and near-term archive applications. Joining the ODS-D55U standalone unit is the ODS-D77U, which offers a high speed drive. We also have the ODS-L10 10-slot library for those with small- to medium-scale production systems, where media assets are managed by several users. The new PetaSite Optical Disc Archive scalable library consists of three elements: the ODS-L30M base unit, ODS-L60E drive and cartridge expansion unit and ODS-L100E cartridge only expansion unit. Together they can make up a single 42U library offering a maximum 535 cartridges (802TB), depending on the extension units used.

## V contents

make.believe

**WDC**



# Sony Codec World: from HD to 4K

**SONY**  
make.believe

## Sony Codec World: from HD to 4K

|                         | HD/2K                                  |                                | 4K/8K                              |                      |                              |
|-------------------------|--|--------------------------------|------------------------------------|----------------------|------------------------------|
|                         | INTRA                                  | Long GOP                       | INTRA                              | Long GOP             |                              |
| RAW                     | 240p<br>2.4 Gb/s<br>25p<br>300 Mb/s    |                                | 50p<br>2.4 Gb/s<br>25p<br>1.2 Gb/s |                      | F65<br>F55<br>F45            |
| MPEG-4 SSIP<br>HDCAM-SR | 440 Mb/s<br>220 Mb/s                   |                                |                                    |                      |                              |
| XAVC                    | 50p<br>200 Mb/s<br>25p-50p<br>100 Mb/s | 50 Mb/s<br>35 Mb/s<br>25 Mb/s* | 50p<br>500 Mb/s<br>25p<br>250 Mb/s | 150 Mb/s<br>100 Mb/s | PMW-50<br>PMW-300<br>PMW-400 |
| MPEG-2                  |  | 50 Mb/s<br>35 Mb/s             |                                    |                      | XDCAM Station<br>XDCAM       |
| XAVC S                  |  | 50 Mb/s                        |                                    | 150 Mb/s             |                              |

\* 1080p \*\* Available for HDCAM according to 2014

# F65RS/VF

CineAlta Digital Motion Picture Camera  
with Viewfinder

The F65 takes Digital Motion Picture acquisition to a whole new level of performance.

It is the latest addition to the Sony CineAlta family, using an 8K 20M-Pixel CMOS sensor that runs up to 120Fps. From this imager, the F65 derives exceptional pictures in HD, 2K, True 4K resolution, and beyond – with a wide colour gamut, excellent dynamic range, and high sensitivity. A dockable SR-R4 SRMASTER Portable Recorder attaches to the camera for direct recording onto ultra-secure SRMemory media with 256 GB, 512 GB or 1 TB capacity.

The F65/SR-R4 can be switched to record either 16-bit linear RAW or MPEG-4 SStP data on a project by project basis. Users can select either 16-bit linear RAW, as a gateway to a complete end-to-end 4K mastering workflow, or MPEG-4 SStP (HDCAM SR native) for exceptional quality HD recording.

And Sony has adopted an open strategy of providing Software Development Kits (SDKs) to alliance partner suppliers. This will facilitate widespread implementation of file-based F65 workflows within the most popular production and post production tools.

(Please note that the F65RS is now supplied with a HDVF-C30WR. The model name is F65RS/VF. In the picture is shown with an SR-R4 and an HDVF-C30WR Colour Viewfinder fitted).

With Firmware Version 3.0, which is available right now, customers can use the high resolution DVF-EL100 OLED Viewfinder, are able to output separate LUT's for different SDI outputs, and much more.



## Market

Rental Companies and  
Cinematographers

## Applications

Cinematography

>>>

# F65RS/VF

CineAlta Digital Motion Picture Camera  
with Viewfinder

<<<

| Top Features  | Advantages  | Benefits  |
|---|---|---|
| Super 35mm sensor with 20.4M pixels   | Superb image quality in HD, 2K, 4K or even more   | Rental Companies can differentiate their facility from their competitors. Cinematographer can generate exceptional pictures   |
| Records at up to 120FPS   | Higher frame rate recording   | Can promote for use on productions such as commercials that require a slow motion look  |
| Records onto ultra-secure SRMemory card media using dedicated dockable SR-R4 SRMASTER Portable Recorder | Massive data rate at up to 5.5Gbps can be handled ensuring that material in genuine 4K resolution can be recorded | Rental Company can promote highest quality technology to differentiate their facility from their competitors. Removable media ensures easy workflow. Saves money compared with shooting on film |
| Recording can be switched between 16-bit linear RAW or HDCAM SR-native on a project by project basis    | Shooting can be optimised for ultra-high quality True 4K projects or for a top end HD TV workflow                 | More opportunities for revenue for the Rental Company   |
| Open strategy of providing SDKs to alliance partner manufacturers                                       | F65 workflows can be integrated into a wide range of production and post production tools                         | Opportunity for Post Production Companies to further differentiate themselves at the top-end of the market  |

## Service and Support

|                       |             |
|-----------------------|-------------|
| Prime Support package | Pack 2 Plus |
|-----------------------|-------------|

# SR-R4

SRMASTER Dockable Recorder for F65

This SR-R4 is an SRMASTER recorder for direct docking onto the new F65 CineAlta Digital Motion Picture Camera.

It can capture exceptional quality images from the F65 in either 16-bit Linear RAW or MPEG-4 SStP (HDCAM SR native) format.

Up to 60 minutes of RAW data at 4K resolution can be recorded onto a single 1TB SRMemory card when shooting at 24p (24 minutes at 60p).

Please note that control panel is a separate product. The model name is SRK-CP1.



**SRMASTER**



## Market

Rental Companies and  
Cinematographers

## Applications

Cinematography

>>>

# SR-R4

## SRMASTER Dockable Recorder for F65

<<<

| Top Features   | Advantages  | Benefits  |
|--|---|---|
| Direct docking to F65  | Exceptional image quality in HD/2K and True 4K  | Rental Companies can differentiate their facility from their competitors. Cinematographers can generate incredible pictures |
| Recording can be switched between 16-bit linear RAW or HDCAM SR-native on a project by project basis | Shooting can be optimised for ultra-high quality True 4K projects or for a top end HD TV workflow | More opportunities for revenue for the Rental Company   |
| SRMemory   | Long record duration up to 60 minutes onto 1TB SRMemory card at 24P when shooting RAW data in 4K  | Efficient open workflow on set when shooting ultimate quality pictures. Peace of mind with ultra-secure SRMemory media      |

### Service and Support

|                       |             |
|-----------------------|-------------|
| Prime Support package | Pack 2 Plus |
|-----------------------|-------------|

# SR-R1

## SRMASTER Portable Recorder

The SR-R1 SRMASTER Portable Recorder has been designed for use with cameras which connect via HD-SDI. In standard configuration it applies either SR-Lite (220Mbps) or SR-SQ (440Mbps) compression to the video input. By adding an optional SRK-R311, it can also record using either SR-HQ (880Mbps) compression, or uncompressed as a native DPX file for exceptional image quality.

The recorder is equipped with two 3G-capable inputs and can record 3D pictures in 4:2:2. Full 3D RGB can be recorded onto a single SRMemory card when the option is installed.

The SR-R1 can record an RGB S-Log output from cameras such as the PMW-F3, making it the ideal companion to a PMW-F3 for 2D or 3D projects.



| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |



# SR-R1

## SRMASTER Portable Recorder

<<<

| Top Features   | Advantages  | Benefits   |
|--|---|--|
| SRMemory   | Massive capacity up to 1TB with over 1H of recording onto a 256GB card in 4:2:2 at 1080/25P. High sustained data transfer rate and ultimate data security | Entirely new ways of working with ability to generate new revenue and save money   |
| HDCAM SR rec/play (SR-Lite, SR-SQ as standard – SR-HQ and uncompressed with SRK-R311 option) | Recording can be optimised for required record duration and picture quality   | Rental company can offer at a premium daily rate.<br>OB company can use for high profile events for high profile HD channels |
| 4:2:2 2D and 3D recording as standard  | Flexible operation with a range of cameras  | Lots of opportunity for rental revenue   |
| 3D RGB with option   | Exceptional recording quality   | Rental company can offer two PMW-F3s on a 3D shoot.  |
| Frame accurate recording between SxS (in PMW-F3) and SRMemory (in Portable Recorder)         | Synchronisation between on-line and off-line  | Easy post production when using PMW-F3 in highest quality mode   |

### Service and Support

|                       |        |
|-----------------------|--------|
| Prime Support package | Pack 2 |
|-----------------------|--------|

# SR-PC4

## SRMASTER Data Transfer Unit

The SR-PC4 has been designed for on set applications such as viewing, ingesting material from SRMemory media and generating dailies. A variety of common data interfaces including GbE, 10GbE and eSATA

are provided. It can also be used to ingest content from SRMemory Cars for post production.



**SRMASTER**

| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |

| Top Features   | Advantages  | Benefits   |
|--|---|--|
| Supports full range of recorded data formats on SRMemory, from HD to True 4K | Can handle content from PMW-F3 up to F65  | Opportunity for Rental Company to generate revenue for a full range of productions |
| GbE, 10GbE*, eSATA* interfaces   | Fast transfer from SRMemory card to network                                     | Keeps the production running smoothly  |
| Direct Data Copy to removable HDD  | Fast back up during the shoot   | Fits into existing familiar workflows  |
| HD-SDI output and network interface with web GUI for control                 | Simple viewing on PC display. Full Quality Control viewing on Reference Monitor | Efficient operation on set   |

\*Using 3rd party PCIe board

### Service and Support

|                       |        |
|-----------------------|--------|
| Prime Support package | Pack 2 |
|-----------------------|--------|

# SRPC-5

## SRMASTER Data Transfer Unit

The SRPC-5 SRMASTER Data Transfer Unit is a versatile multipurpose device that can be used to view and ingest material from an SRMemory card into a networked HD, 2K or 4K post production environment. It can also be connected to an SRW- 5800/2 VTR (with HKSR-5804) to back-up content from an SRMemory card onto HDCAM SR tape.



| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |

| Top Features   | Advantages  | Benefits   |
|--|---|--|
| HD-SDI output and network interface with web GUI for control | Simple viewing on PC display. Full Quality Control viewing on Reference Monitor         | Post house can incorporate SRMemory into each suite to keep them at the cutting edge |
| GbE interface as standard with option for 10GbE              | Ultra-fast ingest from SRMemory   | Reduced ingest time to keep the client happy   |
| BNC link to SRW-5800/2 for fast ingest                       | Very fast ingest of material from SR tape (in SRW-5800/2) via 10GbE interface of SRPC-5 | Reduced ingest time to keep the client happy   |
| BNC link to SRW-5800/2 for cloning (card to tape only).      | Cloning and back up from SRMemory to SR tape at up to 2x normal speed (SR-SQ mode)      | High speed cloning and back-up for highest security archiving                        |

### Service and Support

|                       |        |
|-----------------------|--------|
| Prime Support package | Pack 2 |
|-----------------------|--------|

# SR-R1000

## SRMASTER Memory Storage Unit

The SR-R1000 combines the familiar look and feel of a tape deck with four SRMemory card slots for an unprecedented level of operational power. The deck can be configured with up to four HD input or output ports, each of which can handle a 3D feed at up to 1080/422/60P for live events, as well as 3D feeds in 1080/444/RGB/30P for cinema applications. Optional internal storage and high speed networking, and lightening quick access to recorded material brings server-like capability, and a future road-map to 4K interfacing ensures future proof operation for rental, OB, post production and studio use.



**SRMASTER**

### Market

Rental Companies and  
Cinematographers

### Applications

Cinematography

>>>

# SR-R1000

## SRMASTER Memory Storage Unit

<<<

| Top Features   | Advantages   | Benefits   |
|--|--|--|
| SRMemory   | Massive capacity up to 1TB per card with high sustained data transfer rate and ultimate data security  | Entirely new ways of working with ability to generate new revenue and save money   |
| HDCAM SR rec/play (SR-Lite, SR-SQ and SR-HQ and uncompressed). | Exceptional picture quality with great reputation around the world   | OB company can win business for high profile events for high profile HD channels   |
| Modular I/O configuration                                      | One output port is included as standard. Additional I/Os can be installed (eg. 3 in / 1 out, 2 in / 2 out, 1 in 3 out or 4 out). Each port can handle 3D or key/fill | One SRMemory Studio Deck can do the job of several VTRs for reduced cost, space, power consumption (especially in OB vehicles) |
| Simultaneous record and playback & fast random access          | Rapid cueing up for slow motion replay   | Original recording and stunt play from a single machine from multiple cameras  |
| 2D, 3D and 1080P all as standard and future road-map to 4K I/O | Flexible configuration and futureproof   | One deck can be used for many applications now and in the future, to generate ROI for the user                                 |

### Service and Support

|                       |        |
|-----------------------|--------|
| Prime Support package | Pack 2 |
|-----------------------|--------|

# SRMemory Card Line-up

## New SRMemory Line-up

- SRMemory is unique – nothing can match its combination of capacity, sustained data throughput, security and portability
- It opens up completely new ways for end-users to work, and can make and save money for customers operating in many applications
- It is the platform for Sony's open road-map to 4K at the top-end
- It builds on the track record and heritage of HDCAM SR: the worldwide standard for highest quality content production and interchange
- Sony's new and revolutionary SRMASTER family is one of the key highlights at IBC. The line-up includes the SR-R1000 SRMASTER Memory Storage Unit, the SRPC-5 SRMASTER Data Transfer Unit, the SR-R1 SRMASTER Portable Recorder and the SR-R4 SRMASTER Dockable Recorder for the F65 camera. These products will record breathtaking pictures and sound onto SRMemory Cards.



**SRMemory**

The cards are available in capacities of 256 GB, 512 GB and 1 TB, combining massive storage capacity with unrivalled levels of data security and a sustained data writing rate up to an astonishing 5.5Gbps. The cards can record and replay multiple streams simultaneously and support data rates that can handle up to 4K.

This will ensure that SRMASTER will redefine what's possible in applications such as live events, sports, cinematography now and well into the future.

### Market

Rental Companies and  
Cinematographers

### Applications

Cinematography

>>>

[view more online >](#)

[channel partners only >](#)  
you must be logged in

# SRMemory Card Line-up

<<<

| Top Features   | Advantages   | Benefits  |
|--|--|---|
| Revolutionary new memory media with phenomenal levels of performance   | Nothing else like it in the market   | Customer can promote a unique technology to differentiate their operation from their competitors  |
| Massive capacity up to 1TB   | Long recording times in HD and 4K (eg. around 5H at 1080/25P onto 1TB) (1 x 3D stream from a whole football match onto 1 x 1TB card) | <ul style="list-style-type: none"> <li>• Easy management of media on set, even when shooting at high data rate</li> <li>• Long record duration is great for sports events</li> </ul>  |
| Huge transfer speed – up to 5.5Gbps sustained (See Note 1)             | <p>Reduced waiting time to transfer material</p> <p>Can record multiple camera streams onto a single card at a live event</p>        | <ul style="list-style-type: none"> <li>• Faster transfer of data in post production to keep the client happy</li> <li>• Ultra-fast cloning of data on set, during post, at a live event</li> <li>• Entirely new ways of working &amp; road-map to 4K for long term ROI</li> </ul> |
| Powerful Error Correction/ Concealment with no need for virus checking | High reliability and data security   | Peace of mind for the user with faster post production (no waiting for virus check)   |
| Removable Media  | Removes the need to transfer files from server HDD in OB vehicle after event is finished   | Reduced time to complete OB event – crew can get home or back to the hotel faster   |

## Note 1:

- SR-256S15 Capacity = 256GB, Write = 1.5Gbps, Read = 5.5Gbps
- SR-512S25 Capacity = 512GB, Write = 2.5Gbps, Read = 5.5Gbps
- SR-1TS25 Capacity = 1TB, Write = 2.5Gbps, Read = 5.5Gbps
- SR-256S55 Capacity = 256GB, Write = 5.5Gbps, Read = 5.5Gbps
- SR-512S55 Capacity = 512GB, Write = 5.5Gbps, Read = 5.5Gbps
- SR-1TS55 Capacity = 1TB, Write = 5.5Gbps, Read = 5.5Gbps

# SR-D1

## SRMASTER SR-D1 Desktop Drive Unit

The SRMASTER SR-D1 is a compact and low cost SRMemory drive that opens up the power of the F65 and SRMASTER workflow to a wider audience. PCs with SR-D1 driver software installed can be connected to the SR-D1 via USB3.0 or eSATA. A dedicated F65RAW / SR viewer can be used to review and transfer pictures from SRMemory media.



### Market

Rental Companies and Cinematographers

### Applications

Cinematography

### Top Features

Compact, lower cost drive for SRMemory Cards.

USB 3.0 and eSATA.

Direct access to files on SRMemory Media.

Compatible with SStP (HDCAM SR) and F65RAW content.

### Advantages

Makes SRMASTER workflow even more accessible.

Standard connectivity.

Files can be selected and viewed before transfer.

Single model for SR-R1, F65 projects.

### Benefits

More choice of post houses for the production team to complete the project. Viable option for purchase by freelancers.

Ease of installation.

Ease of use.

Additional opportunity for rental house to promote PMW-F3/SR-R1 or F65 for the production.

### Service and Support

Prime Support package

Pack 2



# PMW-F55

Super 35mm 4K CMOS sensor compact CineAlta camera

The PMW-F55 CineAlta camera shoots spectacular images with its 8.9 megapixels (effective) Sony 4K image sensor, incorporating the revolutionary frame image scan technology to eliminate rolling shutter distortions. You get superb dynamic range, the widest colour gamut, and pristine image quality, whether you shoot in HD, 2K or 4K.



Multiple recording formats  
includes HD/2K/4K on SxS memory and 16-bit RAW 2K/4K on AXSM™ media.

The F55 is exceptionally small, light and modular, letting you build up the right configuration for each job – or each shot. As well as the choice of formats and internal and external recording options, you can attach a variety of viewfinders, including the revolutionary optional DVF-EL100 OLED viewfinder, PL-mount, FZ-mount and still lenses, including second-generation Sony PL-mount lenses, and extra long-life Olivine – Lithium Iron Phosphate – batteries. The chassis is only slightly wider than a typical PL-mount prime lens, perfect for 3D rigs. An optional shoulder rig provides for hand-held and shoulder-mounted shooting.

## Market

Rental Companies and  
Cinematographers

## Applications

Cinematography

## Service and Support

Prime Support package

Pack 2

>>>

# PMW-F55

Super 35mm 4K CMOS sensor compact CineAlta camera

<<<

| Top Features   | Advantages   | Benefits   |
|--|--|--|
| Internal 4K and QFHD recording<br><br>Internal 422 (8bit & 10bit) & 444 (10bit) recording<br><br>Internal HFR recording up to 180fps in HD/2K                        | No need for external add-ins to extend your shooting possibilities   | 4K technology within your reach : Internal 4K/QFHD up to 60P recording on SxS Pro+ |
| Frame Image Scan technology to eliminate Rolling Shutter and Jello effects<br><br>1250lx sensitivity with S-Log2 curve vs. 850lx sensitivity on C500                 | Top of the range image quality   | Frame Image Scan technology & wide colour gamut                                    |
| Direct and robust connection of external RAW recorder - NO fragile cable connection<br><br>External 16bit linear RAW on professional AXS media (max. 12bit for C500) | Easy and practical dock of the external RAW recorder   | Extend creativity using RAW recording with AXS-R5                                  |
| Internal 4K and QFHD recording on SxS card<br><br>Internal HFR recording up to 180fps - free of charge   | No need to pay more to extend your creativity  | Unleashing HFR creativity, free of charge  |
| Low weight (2.5kg) and power consumption (ca. 24W)   | Compact and module design : even with attached R5 RAW recorder, F55 is smaller and lighter than competitor | Great ergonomics   |

Note: HFR and 2K options will be available E/Sept, QFHD will be available E/Dec

# PMW-F5

Super 35mm 4K CMOS sensor compact CineAlta camera

The PMW-F5 CineAlta camera shoots spectacular images with its 8.9 megapixels (effective) Sony 4K image sensor. You get superior, super-sampled pictures with noticeably higher contrast, rich colour reproduction and greater clarity. The camera offers robust built-in recording modes, all with vibrant 4:2:2 colour. Irresistible options include the amazing precision of 16-bit linear RAW 2K/4K recording and high speed shooting at up to 180 fps without cropping.



Multiple recording formats includes HD/2K on SxS memory and 16-bit RAW 2K/4K on AXSM™ media.

The F5 is exceptionally small, light and modular, letting you build up the right configuration for each job – or each shot. As well as the choice of formats and internal and external recording options, you can attached a variety of viewfinders, including the revolutionary optional DVF-EL100 OLED viewfinder, PL-mount, FZ-mount and still lenses, including second-generation Sony PL-mount lenses, and extra long-life Olivine – Lithium Iron Phosphate – batteries. The chassis is only slightly wider than a typical PL-mount prime lens, perfect for 3D rigs. An optional shoulder rig provides for hand-held and shoulder-mounted shooting.

## Market

Rental Companies,  
Cinematographers, Broadcasters  
TV drama and documentaries

## Applications

Cinematography

## Service and Support

Prime Support package

Pack 2

>>>

# PMW-F5

Super 35mm 4K CMOS sensor compact CineAlta camera

<<<

| Top Features   | Advantages  | Benefits   |
|--|---|--|
| Internal multiple format recording on SxS:<br>422 : 8bit (XDCAM HD) & 10bit (XAVC, HDCAM SR)<br>444 : 10bit (HDCAM SR) | the first multi-codec camera  | Don't think about the codec, choose the right camera |
| Internal HFR recording up to 180 fps in HD/2K (standard feature)   | HFR up to 180 fps<br>S-Log2 and HG curves                                       | Extended Creativity                                  |
| First professional high resolution viewfinder with OLED technology for S35mm cameras                                   | Professional high resolution VF with OLED technology                            | What you see is what you get                         |
| External recording 2K/4K RAW (16bit linear) with AXS-R5  | Easy and practical dock of the external RAW recorder                            | Extend creativity using RAW recording with AXS-R5    |
| Higher dynamic range   | 14stops dynamic range and 2000lx sensitivity                                    | Simplicity : Compatibility to existing workflows     |
| DC output on V-mount plate or RAW recorder   | Compact and more reliable design with easy operation based on customer feedback | Improved ergonomics                                  |

# AXS-R5

AXSM™ portable memory recorder for  
PMW-F55 and PMW-F5 CineAlta cameras

The bolt-on AXS-R5 recorder works with the PMW-F55 and PMW-F5 cameras to record the highest quality 16-bit RAW 2K/4K images. The recorder works with sleek, optional AXSM™ memory cards, which are compatible with an affordable optional USB 3.0 reader, the AXS-CR1. Once on a PC, the RAW files can be screened using Sony's free RAW Viewer software. AXSM memory provides a super fast, affordable format for sensational quality recordings.

Since FW Ver2.0 the AXS-R5 can also be used in combination the affordable NEX-FS700 for 2K (up to 240 fps) and 4K (up to 120 fps) RAW recording.



| Market  |                                 | Applications   |
|---|---------------------------------|--|
| Top Features  | Advantages                      | Benefits   |
| Direct attachment to F5/55                                | No cable connection             | Both recorder and camera chassis are only slightly wider than a typical PL-mount prime lens, perfect for 3D rigs |
| 16bit linear RAW recording up to 60P in 4K and 240P in 2K | Extend possibilities            | Real world workflows   |
| Small and light design                                    | Low power consumption (ca. 20W) | Maximise versatility in 2D and 3D  |

## Service and Support

|                       |        |
|-----------------------|--------|
| Prime Support package | Pack 2 |
|-----------------------|--------|

# AXS-512S24

AXS Memory card, 512 GB capacity  
and 2.4 Gbps guaranteed write speed

The AXS-512S24 AXS Memory (AXSM™) card is an ultra high speed, high capacity, and high reliability flash memory media, for demanding high frame rate (HFR) 4K and 2K 16-bit linear high-resolution digital cinematography. The AXS-512S24 has a capacity of 512 GB and guaranteed write speed of 2.4 Gbps. AXS Memory has a unique combination of capacity, sustained data throughput, security and portability. It opens up completely new ways for end-users to work. The AXS-512S24 works with the AXS-R5 2K / 4K RAW recorder and AXS-CR1 USB 3.0 AXS Memory card reader.



| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |

| Top Features                  | Advantages                        | Benefits                              |
|-------------------------------|-----------------------------------|---------------------------------------|
| Big capacity                  | 512GB card with 2.4Gbps bandwidth | Contains ca. 25min of 4K 60P material |
| Robust and professional media | For RAW recordings                | Real world workflows                  |

# AXS-CR1

Compact card reader for AXS media

The affordable AXS-CR1 AXS media reader makes it easy to input 4K RAW and 2K RAW files at high speed on to a PC/ Mac with a USB 3.0 interface. Users can transfer 4K RAW data recorded at up to 60 fps and 2K RAW at up to 240 fps. Once on a PC, the RAW files can be screened using Sony's free RAW Viewer software. The AXS-CR1 is designed to read sleek, high capacity AXSM™ memory cards as used by the AXS-R5 recorder working with PMW-F55 and PMW-F5 camcorders.



| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |

| Top Features  | Advantages     | Benefits   |
|---|----------------|--|
| USB 3.0 card reader for AXS-card                            | Quick transfer | Easy read-only input of 4K RAW and 2K RAW files at high speed to a PC or Mac |
| No driver installation needed (exFAT structure on AXS card) | Plug & Play    | Real world workflows   |

# SCL-PK6/M SCL-PK6/F SCL-PK3/M SCL-PK3/F

CineAlta 4K PL mount lens packs

The SCL-PK6/M lens pack is a range of six high quality, cost effective PL mount prime lenses that work seamlessly with the PMW-F55, PMW-F5 and other CineAlta camcorders. Each lens is certified for 4K capture, while minimizing geometric distortion, vignetting, and breathing. The set includes 6 lenses with focal lengths of 20mm, 25mm, 35mm, 50mm, 85mm and 135mm with metric calibrations. For easy lens changes, all lenses have a consistent design, with metal casings and an aperture of T2. A 9-blade iris delivers a beautiful bokeh (the out-of-focus area of an image) and the focus ring rotates 240°.



SCL-PK6/F offers the same lenses with imperial calibrations (feet).

SCL-PK3/M is a pack of 20mm, 25mm and 135mm lenses with metric calibrations.

SCL-PK3/F is a pack of 20mm, 25mm and 135mm lenses with imperial calibrations.

| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |

| Top Features                                | Advantages   | Benefits  |
|---|--|---|
| 4K designed and calculated                  | Work with PMW-F55 and PMW-F5   | Minimizes geometric distortion, vignetting, and breathing                   |
| PL mount                                    | Can also be used on PMW-F3 and F65   | Flexibility of industry standard mount                                      |
| Robust design delivers stunning performance | Same locations of the rings, which offers a fast change of the lenses on set | 9-blade iris delivers a beautiful bokeh (the out-of-focus area of an image) |



# DVF-L350

LCD 3.5-inch colour HD digital viewfinder

The DVF-L350 colour HD digital viewfinder offers LCD quality for CineAlta cameras with a digital interface, such as the PMW-F55 and PMW-F5. Take a major step forward in operating with the incredible image of this 3.5-inch\* LCD viewfinder. Compared to previous Sony viewfinders, the DVF-L350 has higher resolution (960 x 540) plus ten times the contrast. And the eyepiece flips up for direct monitoring.

\* Viewable area, measured diagonally.



| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |

| Top Features    | Advantages   | Benefits       |
|-----------------|--|----------------|
| 3.5" viewfinder | High resolution (960x540) and High contrast (1000:1) | Flip mechanism |

DVF-EL100

OLED 0.7-inch colour HD digital viewfinder

The DVF-EL100 HD digital viewfinder offers amazing OLED quality for CineAlta cameras with a digital interface, such as the PMW-F55 and PMW-F5. Don't let the small size fool you. This 0.7-inch\* viewfinder has the incredible clarity of 1280 x 720 High Definition. And resolution is just the beginning. Thanks to OLED technology, you get superb brightness, contrast and response.

\* Viewable area, measured diagonally.



| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |

| Top Features   | Advantages                  | Benefits   |
|--|-----------------------------|--|
| Best-in-class contrast and clarity with OLED technology at an affordable price | High resolution of 1280x720 | Easy to focus even when objects are moving. No more motion blur            |
| Compact design with magnifier function   | Easy focus check            | Detachable cable: only the cable needs to be changed if replacement needed |

# DVF-L700

LCD 7-inch colour full HD digital viewfinder

The DVF-L700 colour HD digital viewfinder offers LCD quality for CineAlta cameras with a digital interface, such as the PMW-F55 and PMW-F5. This compact 7-inch\* LCD viewfinder enables high resolution when shooting in 2K and 4K, not to mention pixel-for-pixel 1920 x 1080 representation of your HD images.



\* Viewable area, measured diagonally.

| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |

| Top Features   | Advantages                              | Benefits   |
|--|---|--|
| 7" viewfinder  | High resolution: 1920x1080              | Flexible usage enabled                               |
| Additional HD-SDI input in parallel to the digital interface | Viewfinder for DOP, 7" for focus puller | Compatible with every camcorder having HD-SDI Output |

# VCT-FSA5

Shoulder mount accessory for PMW-F5 and PMW-F55

Shoulder brace for the PMW-F5 and PMW-F55 cameras. Lightweight shoulder brace with moveable shoulder pad.



| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |

| Top Features                                    | Advantages                 | Benefits  |
|---|----------------------------|---|
| Easy installation                               | direct attachment to F5/55 | Flexible usage enabled  |
| Arri rosettes for grips and 15mm holes for rods | Speed of operation         | VCT-14 support for quick change between tripod and shoulder configuration |

# BP-FL75

Extra long life Olivine battery for F-series cameras

The innovative BP-FL75 battery uses Olivine – Lithium Iron Phosphate – instead of conventional Lithium Ion cathodes. The result is a substantial increase in charge-discharge cycles compared to previous Sony batteries. It takes 70 minutes to be fully charged with the BC-L90 battery charger. Perfect integration with PMW-F55 and PMW-F5 cameras.



| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |

| Top Features                                  | Advantages   | Benefits  |
|---|--|---|
| 75Wh Olivine battery (Lithium Iron Phosphate) | 2x longer lifetime than normal battery                       | Powers PMW-F5/F55 (body only) for more than 2 hours, PMW-F5/F55 + AXS-R5 configuration more than 1 hour |
| Perfectly fits camera body size               | 75Wh matches aircraft regulations for battery transportation | Works with BC-L90 battery charger   |

# BC-L90

High speed battery charger for BP-FL75  
and V-Mount batteries

The BC-L90 is a 2-slot battery charger that provides extra fast charging times for the BP-FL75 Olivine battery. The innovative BP-FL75 battery uses Olivine – Lithium Iron Phosphate – instead of conventional Lithium Ion cathodes. The result is a substantial increase in charge-discharge cycles compared to previous Sony batteries. The BP-FL75 offers perfect integration with PMW-F55 and PMW-F5 cameras. It takes 70 minutes for the BP-FL75 to be fully charged to 75Wh capacity, providing more than 1-hour operation of the PMW-F55 and PMW-F5 working with the AXS-R5 recorder.



The BC-L90 also offers normal charging time for Sony V-Mount batteries, increasing the versatility of the charger.

| Market                                | Applications   |
|---------------------------------------|----------------|
| Rental Companies and Cinematographers | Cinematography |

| Top Features                                   | Advantages           | Benefits   |
|--|----------------------|--|
| Dual battery charger for BP-FL75 battery       | Fast-charging        | Charge BP-FL75 battery 2x faster compared to normal SONY battery (ca. 70min) |
| Compatible with current SONY V-mount batteries | Normal charging time | DC OUT to power camera   |

# XDCAM Family

## Introduction

### Key Messages

1. We have been expanding the XDCAM family since its introduction: shoulder and handheld, professional disc and memory technology.

2. With fast file based operation and outstanding picture quality, XDCAM products are ideal for applications such as news gathering, when speed and performance are a key concern, and for production of magazines, documentaries, and mainstream entertainment programs where a high quality impression is crucial.

4. XDCAM interoperability:

- Since its introduction, the MPEG2 HD422 50Mbps codec has proven its quality and efficiency for HDTV operations. It is today a standard for both production and delivery.
- As a complementary format Sony is now including the new XAVC codec in the XDCAM line up in order to offer 50p, HFR and 4K, increasing the options for production.
- XAVC: unified format for all resolution from HD to 4K.

5. XDCAM family's focus is on how to boost your workflow with dedicated tools for wireless operations – how to be faster on air and more efficient in the field. The new CBK-WA100, wireless adaptor gives you easy transmission of your content. The wireless adaptor works with Sony's memory camcorders PMW-100 to PMW-500 and via HD SDI output with PDW-680,-700,-F800 camcorders and XDCAM EX.

6. New camcorders PMW-400 and PMW-300 are future-proofed, XAVC ready and offer wireless operation. The PXW-Z100 4K handheld camcorder records XAVC at 4K resolution.

7. With the launch of the PMW-F3 in 2011, the expansion of the XDCAM EX range continued by offering a new audience the benefits of high quality, fast XDCAM EX workflows with additional features of a cinematic Super 35mm Exmor Sensor, PL mount and highest picture quality with 4:4:4 RGB output for a wider variety of cinema applications

8. The PMW-320 and PMW-350 continue their excellent reputation in broadcast as workhorse camcorders for ENG and general purpose television production.

9. The new PMW-TD300 3D XDCAM EX Camcorder, offers superb picture quality with 1/2" CMOS Sensors and proper 3D shooting due to the new zoom/ focus/ convergence control mechanism and the glassless 3D LCD.

>>>

# XDCAM Family

## Introduction

<<<

### Comments

Since its introduction in 2003, Sony's XDCAM series has been embraced around the world for its file-based recording capability. Within this series, top-of-the-line XDCAM HD422 products were introduced in 2008. Today, they represent an ever-expanding range that delivers a brilliant image resolution of 1920 x 1080 and eight channel 24-bit uncompressed audio. With fast file based operation and outstanding picture quality, XDCAM HD422 products are ideal for applications such as news gathering, when speed and performance are a key concern, and for production of TV dramas, documentaries, and mainstream entertainment programs where a high quality impression is crucial. With the recently introduced camcorders, the PMW-100, PMW-150 and PMW-200, Sony has brought 4:2:2 50Mbps into the handheld XDCAM camcorder range.

The PMW-300 features the same EX-mount interchangeable lens system as the PMW-EX3, compatible with a wide range of 1/2 inch and 2/3 inch lenses.

Perfect companions to the flagship PMW-500 3x 2/3" CCD shoulder camcorder, the XDCAM HD422 handheld camcorders offer the best quality, mobility and flexibility whatever your budget and application.

The introduction of the new PMW-400 shoulder camcorder will further expand Sony's SxS product portfolio. The PMW-400 will offer flexibility in XDCAM MPEG-2 HD & SD recording formats, with future capability to record in XAVC (optional upgrade). The affordable 3x 2/3" CMOS Exmor camcorder will also feature low S/N ratio, flash-band reduction for news operations and built-in WiFi capability.

One of the unique functions of the XDCAM HD range is that it provides up to 4 channels uncompressed 24-bit audio (MPEG HD422 mode) or 8 channels 16-bit. It is also equipped with a range of audio interfaces.

One of the big appeals of the XDCAM HD range is its highly flexible multi-format recording capability. Users can select a recording format from HD (MPEG HD422 and MPEG HD) and SD (MPEG IMX™ and DVCAM™), in a variety of frame frequencies.

All XDCAM HD shoulder camcorders (PMW-500, PDW-680/700/F800) offer a Picture Cache Recording function.

All XDCAM HD shoulder camcorders, including the new PMW-400, offer a 2 channel slot-in capability for Sony DWX Digital wireless receiver (DWR-S02D), allowing for a fully digital workflow using superb audio quality with AES/EBU data stream. Never go back to analogue in your workflow after 24Bit A/D conversion in the transmitter. Pair the digital receiver with a choice of digital wireless transmitters, either the handheld microphone (DWM-02) or belt-pack (DWT-B01/E) both offering simultaneous multi-channel operation and Selectable RF output power (1/10/50 mW).

[view more online >](#)

[channel partners only >](#)  
you must be logged in



# Content Browser V2.1

XAVC/XDCAM & NXCAM Browsing &  
Metadara Software

Content Browser is the all-in-one clip management software that enables you to browsing manage video content on XAVC, XDCAM and NXCAM. The new Content Browser software covers the functions of the previous applications for XDCAM and NXCAM formats. On top it will support the new XAVC format which can be recorded with eg. PMW-F5 and PMW-55. The Content Browser can also remote the XDS decks and be used for XMPilot usage with eg. PDW-700. It is available for Win and Mac OS.



| Market   | Applications   |
|--|--|
| XDCAM Professional Disc & EX, XAVC and NXCAM customers | Browsing Software for XDCAM/XAVC and NXCAM Cameras, Decks and the PDW-U1/U2 Drives. Remote control for XDS decks |

| Top Features   | Advantages  | Benefits  |
|--|---|---|
| Proxy Browsing   | View Content on the Professional Disc via the Proxy videos                      | Quick viewing of the content stored on disc                 |
| Edit List Creation                                     | Clips can have In/Out points set and grouped together then stored on the disc   | Quick generation of play out lists                          |
| XDS Remote   | XDS can controlled (Play, Stop, etc) from PC                                    | No need to be in front of the XDS deck                      |
| Metadata Editing                                       | Essence Marks and Textual Descriptions to enhanced clip information             | Quicker Searching and Editing content                       |
| Storyboard for XDCAM HD422 files                       | Customers can create EDL's which offers a faster ingest when starting editing   | Starting edit preparation on location, etc.                 |
| Aquisition Metadata view with optional "Advanced Pack" | Metadata like iris, colour temperature, zoom, etc can be checked from each shot | Shots can be perfectly reproduced. Also ideal for VFX usage |

Availability: Now

# PMW-50

SxS Field Gear

With this recently introduced product, Sony Professional has further expanded its range of products dedicated to News and Broadcast Production operations. Light and compact, this dual SxS slot mobile gear is the ideal companion for field operations and will enable every users to get a practical and flexible tool to enhance its SxS workflow.



| Market  | Applications   |
|---|--|
| News Gathering market, Large and small broadcasters, Production companies | Ideal for SxS workflow applications - where speed of operation is key. |

| Top Features  | Advantages                           | Benefits  |
|---|--------------------------------------|---|
| Compact SxS portable recorder                       | Lightweight handheld recorder/player | Portability in News/field operations, insensitive to vibrations   |
| 3,5" display and HD/SD-SDI OUT for content playback | Stand-alone multiformat SxS viewer   | Desktop SNG Cars feeder   |
| UDF & FAT 32 format HD422/420 & DVCAM support       | .MXF and .MP4 files compliant        | Flexibility for Broadcast and Corporate operations                |
| Direct recording on SxS card via HD/SD-SDI IN       | Second / Parallel recording          | Safety recording with embedded audio                              |
| SD, MS , XQD cards and SxS Media support            | Flexibility of Media availability    | Allows user to choose the most appropriate media (price / safety) |

Connectivity : HD/SD-SDI, HDMI, i.LINK, USB, Audio AV, headphone

Availability: Now

# PMW-1000

Compact HD/SD SxS memory recording deck

The compact, affordable PMW-1000 SxS memory recording deck supports XAVC HD recordings. It has two SxS ExpressCard™ memory card slots providing a wide variety of HD and SD recordings and playback, including 50 Mbps XDCAM HD422. The half-rack size recorder has SD / HD-SDI interfaces and Gigabit Ethernet (1000BASE-T) interfaces for non-linear network operations, as well as an RS-422 interface and jog/shuttle control to allow “linear like” ingest and editing.



## Market

News Gathering market, Large and small broadcasters, Production companies

## Applications

Ideal for SxS workflow applications - where speed of operation is key.

Availability: Now

>>>

# PMW-1000

Compact HD/SD SxS memory  
recording deck

<<<

| Top Features  | Advantages  | Benefits  |
|---|---|---|
| Two SxS ExpressCard™ memory card slots  | Approximately 280 minutes recording/playback time at 50 Mbps MPEG HD422 with 128GB capacity memory  | Record and playback on SxS memory cards   |
| Jog/shuttle control allows linear editing   | Even if non-linear editing is mainly used, the linear edit is still useful if only a small portion of the content needs to be edited                | Enhanced XDCAM HD422 workflow even in linear operation  |
| SD / HD-SDI interfaces  | Gigabit Ethernet (1000BASE-T) for full network operations. A standard HDMI interface allows easy monitoring capabilities                            | Supports network and non-linear operations  |
| Records XDCAM HD422 and HD420 at 50/35/25 Mbps plus a variety of SD record and playback standards | Recording speeds include 50i/59.94i/25p/29.97p/23.98p/59.94p/50p  | Smooth SD to HD migration   |
| XAVC HD recordings support PMW-F55 and PMW-F5 cameras   | Supports 100 Mbps XAVC (1080/29.97p/25p/23.98p/59.94i/50i)* recordings and allows easy XAVC HD playback and monitoring<br><br>* 4K is not supported | Ideal recorder/player to work with the PMW-F55 and PMW-F5 CineAlta cameras, as well as with the new-comer to the XDCAM Family (PMW-400 and PMW-300) |
| 75 W for AC operation and 65 W for DC operation   | AC or DC operation, working with the BKP-L551 Lithium-ion battery adaptor   | Lower power consumption means long operating time   |

# XDS-PD2000 / XDS-PD1000

Professional Media Station

Since introducing XDCAM Professional Disc products in 2003, Sony has been supporting smooth migration from tape to tapeless with user-friendly file-based operations. To accelerate operational efficiency, Sony introduced the revolutionary XDCAM EX camcorder with SxS memory cards in 2007. Like the XDCAM Professional Disc products, this new camcorder series adopted MPEG2 Long GOP compression technology.

Now, to meet a broad variety of customer applications needs, Sony has established a unique hybrid workflow featuring these different media – Professional Disc and SxS card – that share the same compression technology. Sony proudly introduces a powerful new XDCAM family member, the XDCAM Professional Media Station (XDCAM Station) providing a “bridge solution” between Professional Disc and SxS card as well as Broadcast and IT, and featuring large-capacity internal storage (HDD or SSD).

By supporting this range of recording media, the XDCAM Station realizes a flexible hybrid workflow and enables high-performance multi-tasking operations. It has the characteristics both of a utility deck, with VTR-like user-interface, and of a high-performance IT server system in one single unit.

Discover its benefits at our booth and experience extended media interoperability, greater speed of operations and unique features such as Frame Chase Editing.

Now compatible with triple layer disc.

| Market  | Applications  |
|---|---|
| All current XDCAM adopters, from small regional studios to large broadcasters, OB vans and Production companies | Ingest, inter-media copying, live recording, archive, Fast Edit: Frame Chase Editing, EDL Creation from front panel |

Availability: Now

>>>

# XDS-PD2000 / XDS-PD1000

Professional Media Station

<<<

## XDS-PD2000

- XAVC compatibility with XDBK-106 chargeable option
- Internal Storage : SSD (500 GB)
- Hybrid Operation of Disc and Memory
- NLE Direct Access and Multi-tasking
- Top-end Model with Higher Performance



## XDS-PD1000

- Internal Storage : HDD (1 TB)
- Hybrid Operation of Disc and Memory
- Long Duration Recording on Internal HDD
- Cost-effective Multi-Media Model



### Comparison table

|                             | XDS-PD2000                                | XDS-PD1000                             |
|-----------------------------|---|--|
| Power Consumption           | 210W                                      | 190W                                   |
| Mass                        | 16kg                                      | 17kg                                   |
| Recording/<br>playback time | MPEG HD422<br>50Mbps: approx. 16<br>hours | MPEG HD422 50Mbps:<br>approx. 30 hours |
| Storage type                | SSD, SATA, 256GB                          | HDD, SATA, 500GB                       |
| Number of drive units       | 2 (max 3)                                 | 3                                      |
| Total capacity              | 512GB                                     | 1TB                                    |
| Raid                        | Raid-4 (option)                           | Raid-4                                 |
| Media                       | SxS and ProDisc                           | SxS and ProDisc                        |

# XDCAM HD422 Family

Professional Disc camcorders and recorders

## PDW-680

### Professional Disc HD422 camcorder

Sony Professional extends its Professional Disc camcorder range with a new affordable XDCAM HD shoulder camcorder for cost-conscious users. This model is based on the PDW-700 where the CCD sensors have been replaced by 2/3-inch Exmor CMOS sensors. It enables recording at 1080/50i or 1080/60i HD images or MPEG IMX and DVCAM SD, as standard. Progressive mode is available only for playback.



#### Market

Ideal for broadcast customers, local TV stations and mid-sized production houses.

#### Applications

The PDW-680 is designed to enable a smooth and flexible migration from tape to file based workflows and from SD (DVCAM / IMX) to HD 420/422.

## PDW-HD1500 / PDW-HD1600

### Professional Disc recorder/players

SONY's 1/2 rack decks are fulfilling the needs of broadcast customers. Customers can choose between different models based on their needs. All units are supporting the XDCAM HD 422 codec and are the perfect companion to SONY's camcorder range. With their professional features and connectors they meet all requirements of the broadcast world and are designed to be used in a file based workflow.



#### Market

All broadcast customers who are using PD camcorder & workflow (e.g. Studios, Postproduction, OB vans)

#### Applications

Ingest into postproduction workflow, Playback and recording in OB vans where size is the key, Ideal partner for migration from Tape to file based workflow

# SBAC-US20

Sony SxS Memory Card USB Reader Writer

The SBAC-US20 is an SxS™ memory card USB Reader/Writer, used to transmit data which is recorded on an SxS™ memory card, using USB3.0 high speed transfer. The unit is USB bus power drive compatible and can therefore be used without an AC adapter.



Supported OS:

Windows: Windows XP (SP 3 or later)/Windows Vista (SP 2 or later)/Windows 7 (SP 1 or later)/Windows 8

Mac OS: Mac OS X v.10.4 or later

Notes \*Not all proper operations of the PC are guaranteed.

## Market

All users of XDCAM camcorders using PC/Mac for their workflow

## Applications

Ideal for many applications including ENG & sport where speed of operation is a critical requirement as well as TV drama, documentaries, general entertainment

## Top Features

Flexible usage on computers without Express Card slot

## Advantages

High-speed data transfer from the SxS card, SD card/MemoryStick/XQD card (via Express card adapter) to a computer thanks to USB 3.0 (USB 2.0 support as well)

## Benefits

Computers (MAC or PC) without ExpressCard slot can connect SBAC-US20 directly via USB

Easy connection

Bus-powered operation (AC adapter is not necessary)

No need to take an external power adapter on the way

Availability: Now



# PDW-U2

XDCAM external drive

The PDW-U2 is a high performance XDCAM external drive, which supports all XDCAM Professional Discs and formats for maximum operational flexibility.



| Market  | Applications  |
|---|---|
| Professional Disc customers and EX customers (for AV contents backup) | High speed read / write drive for XDCAM ProDisc users |

| Top Features                               | Advantages   | Benefits  |
|--|--|---|
| New 4th generation optical drive           | Shorter transfer time of materials. Supports all types of XDCAM Disc including the new QL generation | Flexibility of operation: more efficient workflow and larger storage capacity |
| Compatible with Mac and Windows            | Can be used in various environments  | Ease of installation and operation  |
| Worldwide common USB-2 and USB-3 interface | High transfer speed  | Save time and money   |

## Comparison Table

| PDW-U2  | PDW-U1  |
|---|---|
| Supports all Professional Discs   | Supports Single & Dual Layer Professional Discs |
| Supports Super High Speed USB (USB3.0) interface/Hi-Speed USB 2.0 interface | Supports Hi-Speed USB 2.0 interface             |

# CBK-WA100

## Wireless adapter

The CBK-WA100, is designed to significantly accelerate the News and Production workflows by enabling easy transmission of content over a wireless network significantly accelerating the ENG workflow. The CBK-WA100 adapter connects directly to a camera and allows XAVC proxy files to be created and then saved on an SD card in the adapter. The CBK-WA100 is then able to upload the proxy content and the original high-resolution content via 3G/4G/LTE/Wi-Fi\* to a broadcast station, on premise server or to a cloud environment.



By supporting Wi-Fi connectivity, the CBK-WA100 allows tablets or smartphones to interact with it and control it via Sony's Content Browser Mobile application. This connectivity for XDCAM camcorders allows users on their mobile device to remotely control the camera, logging metadata on set and reviewing content without having to connect a monitor to the camcorder. The ability to log metadata increases workflow by facilitating auto ingest at broadcast stations and can also provide an easy search and preview of related content such as shooting date, time, place or notes.

| Market  | Applications   |
|---|--|
| News & Mainstream Production, Broadcast stations, Freelancers | News production, etc where workflow speed is essential |

| Top Features           | Advantages  | Benefits  |
|------------------------|---|---|
| XAVC Proxy recording   | High resolution Video and audio   | Good quality for offline editing and even for internet streaming      |
| LTE/ UMTS streaming    | Proxy can be send to inhouse server or cloud server directly after the shooting | Speed improvement for being on air workflow                           |
| Adapter Style          | Can be used with several camcorder  | Flexibel usage even with older camcorder                              |
| Camera Setting feature | Camera Settings can be changed with Tablet/ Smartphone                          | Improvement of Speed. Assistent does not to touch the camcorder       |
| Proxy Video Streaming  | View the Proxy Video on Tablet or Smartphone with low latency                   | Journalist can see the recorded picture. No need for external monitor |
| Metadata handling      | Insert Clip related Metadata  | Journalist can add Metadata while shooting to use in the post         |

# PMW-400

## Solid State Memory HD422 Camcorder

The PMW-400K is an affordable 3x 2/3-inch CMOS Exmor high quality sensor broadcast camcorder that, like the PMW-500, supports all SD / HD 422 broadcast workflows using .MXF and XDCAM EX workflows using .MP4 and .AVI. XAVC compatibility possible by future firmware upgrade planned by summer 2014.

1) Brilliant successor of the PMW-350 camcorder.

2) Innovative features like built-in flash band reducer, high resolution viewfinder and multi application with conversion to live camera system possibility. All the latest technology for your broadcast operations are within your reach.

Be the first on air by combining Sony's new wireless adapter: a special version (model CBK-WA101) is exclusively available for the PMW-400 camcorder which enables a one-action attachment/detachment of the adapter.

3) The PMW-400 has two versions - PMW-400L without lens and PMW-400K with lens + details of lens.



### Market

Ideal for national and local broadcasting and news operations

### Applications

Newsgathering, documentaries, events

Availability: September 2013

>>>

# PMW-400

Solid State Memory HD422 Camcorder

<<<

| Top Features  | Advantages   | Benefits   |
|---|--|--|
| 2/3-Inch EXMOR sensors (3x)                         | F13 (@ 50Hz) High sensitivity 3DNR noise reduction and Flash band reducer for news operations ( low noise: -60dB)                                  | High picture quality even in harsh news conditions   |
| XAVC ready  | In future will support XAVC 10-bit HD422 recordings, including XAVC Intra frame 10-bit HD422 100Mbps and XAVC Long GOP 10-bit HD422 (low bit rate) | PMW-400 is a future proof investment for the next decade XAVC codec  |
| PMW-400K model supplied with 2/3-inch 16x zoom lens | Auto-focus optical zoom lens   | 2/3-inch lens mount allows use of other lenses   |
| Improved CBK-VF01/1 LCD viewfinder                  | From VGA to Quarter full HD resolution 960x540 = 1.55M pixels  | Camerawoman/man ease for a fast/better HD focus  |
| High resolution 960 x 540 colour viewfinder         | Viewfinder includes built-in Flash band reducer  | Aids the cinematographer   |
| Low power consumption                               | 23W with LCD, viewfinder, lens and microphone.   | Long battery life  |
| Multiple SD and HD codecs                           | All XDCAM EX workflows (.MP4 & .AVI wrapper)<br>All SD/HD 422 Broadcast workflow (.MXF wrapper)  | Corporate & Broadcast workflows flexibility. Open HD files migration   |
| Optional CBK-CE01 50pin interface                   | Compatibility with CA-TX70 Digital Triax & CA-FB70 Fibre adapters  | Convert shoulder camcorder in a system camera  |
| WiFi remote   | The CBK-WA101 3G/LTE optional transmitter will allow recorded files FTP push to a the cloud or user server.  | Lens, camera and media WiFi Remote or XMPilot live logging from a tablet or smartphone is achievable with the CBK-WA01 optional WiFi antenna |

# PMW-500

High-End Solid State Memory HD422 Camcorder

Sony's first 2/3-inch solid state shoulder camcorder is the lightest and least power-consuming CCD camcorder in the market. It is ideal for ENG applications and is equipped with Power HAD FX CCD image sensors and capable of recording in 50Mbps in Full HD 1080 to SxS cards.



## NEW since NAB 2013: WiFi remote control and XMPilot enabled

The PMW-500 can connect with smart phones or tablets to benefit from the XMPilot metadata workflow, including planning metadata assignment, live logging and live view, as well as for simple remote control. By attaching the optional CBK-WA01 WiFi adaptor, the camera can control zoom, focus, iris and white balance as well as the recording functions such as recording trigger can be controlled using a simple application a smart phone or tablet device.

The PMW-500 is a light (3.4kg body only), perfectly balanced camcorder with the low power consumption (27W). Less power means less batteries, and they last for longer. And with SxS memory cards, the workflow is extremely fast. Due to CCD there is no FlashBand effect as well as no rolling shutter distortion.

### Market

The PMW-500 is the ideal choice for broadcasters and freelancers looking for a high-end, versatile, compact, light and perfectly balanced memory based camcorder

### Applications

Ideal for many applications including ENG & sport where speed of operation is a critical requirement as well as TV drama, documentaries, general entertainment

>>>

# PMW-500

## High-End Solid State Memory HD422 Camcorder

<<<

| Top Features   | Advantages                                    | Benefits   |
|--|---|--|
| The lightest shoulder CCD camcorder in the market ideal for flexible ENG operations  | HD422 quality with solid state recordings     | Benefits of full XDCAM HD422 workflows   |
| Low power consumption (only approx. 27W of main body) and light weight (only approx. 3.4kg (main body)   | Lighter, smaller batteries                    | Fewer battery changes during shooting and less freight costs when transporting equipment |
| Full HD 2/3" Power HAD FX CCD imagers with superior picture quality such as F12 (50Hz) sensitivity and 59dB S/N ratio                                | Excellent picture quality                     | Great opportunity for quick ROI (Return On Investment) for rental companies              |
| Well matured MPEG HD codec technology in both MXF and MP4 files  | Offer a wide choice of formats and bit rates  | A truly "international" camcorder  |
| SxS Memory cards provide a superior level of reliability and high speed  | Trusted, proven solid state technology        | Peace of mind for the user   |
| Full HD422 50 Mbps SxS family: best ENG shoulder camcorder PMW-500, powerful handheld companion PMW-200, and compact and efficient field deck PMW-50 | Fast and efficient SxS HD422 50 Mbps workflow | Ease of integration  |

Availability: Now

# PXW-Z100

1/2.3 Exmor R CMOS 4K Handheld Camcorder

The PXW-Z100 is a camcorder featuring an 1/2.33" Exmor R CMOS sensor (total of approx 16 million pixels, effective pixels of approx. 8.3 million) capable of capturing high-quality images with 4K resolution (4096 x 2160) at 60fps. While weighing under 3kg even with a 4K-compatible high-performance G lens mounted, this handy sized camcorder is ready to capture high-quality images with stunning 4K resolution.



The recording format is XAVC, which was first used in the PWS-F55 digital cinema camcorder. As with the F55, 4K 60p 4:2:2 10-bit recording is possible at a high bit rate of 600Mbps. QFHD (3840 x 2160) and HD (1920 x 1080) resolutions, which have a high compatibility with 4K TV, can also be selected.

Since the PXW-Z100 can be used in the same way as conventional professional handy-type cameras, it's possible to record 4K content with a minimal number of staff. In addition, during editing, downscaling from 4K to HD provides a new workflow for HD content production. The Sony PXW-Z100 is a professional camcorder designed to expand the range of 4K recording possibilities even in low-budget environments.

## Market

Commercials, music video, low budget movie, documentaries, sports, special effects, analysis, ENG

## Applications

Super High resolution, lightweight camera needs, slow-motion

## Service and Support

Prime Support package

>>>

# PXW-Z100

1/2.3 Exmor R CMOS 4K Handheld Camcorder

<<<

| Top Features   | Advantages   | Benefits   |
|--|--|--|
| 4K & Full HD recording with a handy camera with built-in lens for quick access.                    | 4K (4096×2160) / QFHD (3840×2016) / Full HD (1920×1080) 60p/50p shooting   | With 8 million effective pixels, the 1/2.33-inch, 16 MP Exmor R CMOS sensor can capture 4K images at 60fps. And the built-in 4K-compatible high-performance G Lens with powerful 20x optical zoom  |
| XAVC Intra format for recording 4K 60p with 4:2:2 10-bit at 600Mbps and HD 60p HD at up to 223Mbps | Efficient MPEG-4 AVC/H.264 compression is used for HD, QFHD and 4K video. Image sampling is 4:2:2 10-bit, with intra-frame system  | A free firmware update is planned for the middle of 2014 to support the Long GOP mode for extended 4K recording and to add support for recording with AVCHD  |
| XQD Memory Card as the recording media   | High write and read speed. Stable recording at a bit rate of 600Mbps   | The PXW-Z100 features two XQD Memory Card slots for relay recording  |
| HDMI interface for 4K output and 3G HD-SDI interface for HD output                                 | When connected to a Sony 4K-compatible BRAVIA TV enables display of 4K 60p footage. 3G HD-SDI interface supports output to an SDI up to HD 60p. It also supports HD output during 4K recording | A future firmware upgrade is planned to provide compatibility with the new HDMI 2.0 standard and enable 4K 60p output to a wider range of devices  |
| Paint function for more creative freedom   | This enables adjustment of gamma curve, black level, skin detail, color and other parameters that determine image characteristics  | Together with other settings, parameter settings can be recorded as a camera profile on a memory card. The recorded camera profile can then be used to set the same parameters in another PXW-Z100 |
| Remote control with WiFi   | Focus, zoom and aperture settings and record start/stop can be remote controlled using the browser function of a smartphone  |  |

Availability: Now



# PMW-150

1/3-inch 3 chip XDCAM HD422  
compact camcorder

Recording in Full HD 422 at 50 Mbps combined with the 1/3" Exmor sensors the new XDCAM handheld camcorder - PMW-150 offers exceptional performance, operational versatility and workflow efficiency. PMW-150 is the ideal solution for customers who need HD picture quality and state-of-the-art workflow from a compact and affordable handheld camcorder. High-quality MPEG HD422 50 Mbps recording is fully compliant with the latest EBU recommendations for long form broadcast production and is widely accepted by broadcasters and production houses.



## Market

Videography, Production, ENG,  
Corporate, Education

## Applications

Newsgathering, documentaries, events

## Service and Support

Prime Support package

Full package, 2 years warranty,  
helpdesk front line, replacement loan  
unit after seven days

Availability: Now

>>>

[view more online >](#)

[channel partners only >](#)  
you must be logged in

# PMW-150

1/3-inch 3 chip XDCAM HD422  
compact camcorder

<<<

| Top Features   | Advantages  | Benefits  |
|--|---|---|
| Switchable recording.<br>MXF HD422<br>50Mbps.<br>.MP4 HD420<br>35,25Mbps.<br>DVCAM<br>25Mbps | Workflow convenience. Same recording formats as PMW-500, PMW-200, PMW-100   | Economy of time for editing (no conversion, same support) ENG benefit: Exchange the content with other journalists. Allows users to select the workflow that suits their production and budget  |
| 1/3" Exmor Full HD 3CMOS sensors   | High Sensitivity of new Full HD Exmor Sensor  | Expands the shooting opportunities in different conditions. Advanced sensitivity with more information in colours, details in low light and highlight environments  |
| 20 x zoom lens with 28.8mm-576mm focal length equivalent on 35 mm lens                       | Large field of view with faster adjustment of lens settings   | Ideal for shooting situations ranging from broad landscape shots to conditions where sufficient close-ups are needed. Also enables shooting over a wide zoom range. Three independent rings on the lens for convenient and fast adjustments of focus, zoom and aperture |
| WiFi Remote*   | With optional WiFi adaptor CBK-WA01, Lens control, White Balance Control and Playback control are possible from mobile devices (Android, MAC) | Wireless remote control capability allows flexible installation of the camera, eg. in difficult environments or on cranes, where direct operation on the camera is not possible   |
| Timecode, Genlock & SDI  | Multi-camera event shooting   | A quality but compact multi camera system. Cost benefit - good cost performance ratio for multicamera systems   |
| HD/SD SDI & HDMI   | Uncompressed digital HD video and audio signals output from the HDMI and SDI to connect with professional equipment                           | A wide range of interfaces offer flexibility in a variety of applications   |

# PMW-200

Three 1/2-inch Exmor CMOS sensors XDCAM  
camcorder recording Full HD 422 at 50 Mbps

Building on the unparalleled success of the Sony PMW-EX1/R, the PMW-200 is the first handheld camera in its class to be equipped with three large, newly developed 1/2-inch Exmor CMOS sensors which provide excellent sensitivity and depth of field characteristics. Recording in Full HD 422 at 50 Mbps, the PMW-200 offers exceptional performance, operational versatility and workflow efficiency. High-quality MPEG HD422 50 Mbps recording is fully compliant with the latest EBU recommendations for long form broadcast production and is widely accepted by broadcasters and production houses.



| Market  | Applications  |
|---|---|
| ENG, Videography, Mainstream Production, Corporate, Education | Newsgathering, documentaries, events  |
| Service and Support   |   |
| Prime Support package   | Full package, 2 years warranty, helpdesk front line, replacement loan unit after seven days |

Availability: Now

>>>

# PMW-200

Three 1/2-inch Exmor CMOS sensors XDCAM  
camcorder recording Full HD 422 at 50 Mbps

<<<

| Top Features  | Advantages  | Benefits   |
|---|---|--|
| Switchable recording. MXF HD422 50Mbps. .MP4 HD420 35,25Mbps. DVCAM 25Mbps                                    | Workflow convenience. Same recording formats as PMW-500, PMW-150, PMW-100   | Economy of time for editing (no conversion, same support) ENG benefit: Exchange the content with other journalists. Allows users to select the workflow that suits their production and budget |
| First in its class with three large, Full HD, newly developed 1/2-inch Exmor CMOS sensors                     | High Sensitivity and better resolution of New Full HD Exmor Sensor. Provides excellent depth of field characteristic                          | Expands the shooting opportunities in different conditions. Advanced sensitivity with more information in colours, low light and highlights  |
| 14x Fujinon (31.4 - 439 mm eq. to 35mm) professional HD zoom Lens with three independent rings with end stops | Auto focus, iris and image stabilising functions, with an exceptionally flexible control system, allows you to operate the settings manually. | The 'stop' function of each of the independent rings allows convenient, fast and accurate adjustments  |
| Timecode (In/Out) & Genlock   | Multi-camera event shooting   | A high quality but compact multi camera system. Cost benefit - good cost performance for multicamera systems   |
| HD/SD SDI & HDMI  | Uncompressed digital HD video and audio signals output from the HDMI and SDI to connect with professional equipment                           | A wide range of interfaces offers flexibility in a variety of applications   |
| Optional WiFi Remote adaptor CBK-WA01   | Lens control, White Balance Control and Playback control are possible from mobile devices (phone, tablet, Android, MAC)                       | Wifi control offers quick & easy set-up and reduced cost of ownership  |

# PMW-300K1

Three 1/2" Exmor™ CMOS semi-shoulder XDCAM camcorder with 14x zoom interchangeable lens

The PMW-300K1 XDCAM camcorder is equipped with three 1/2-inch Exmor™ full-HD CMOS sensors, capable of delivering high-quality images even in low-light environments.

Ample support for the supplied interchangeable 14x zoom HD lens and a robust metal body further ensure that PMW-300K1 is suitable for a wide range of applications.

Additionally, the PMW-300K1 offers a convenient remote-control and multi-camera operation capability, which allows use with high-end camera systems.



An evolution of Sony's industry leading PMW-EX3, the PMW-300K1 is able to record 50Mbps HD material in MPEG-2 HD 422, meeting broadcast standards around the world, including the European Broadcasting Union's (EBU) requirements on HD broadcast acquisition for long form programme making. The high bit rate ensures excellent capture of fast moving objects, while its chroma subsampling feature is perfect for a wide range of video encoding areas such as VFX and green screen applications.

The camcorder can also be upgraded in the future to support Sony's revolutionary XAVC codec, extending the lifecycle of the product to ensure maximum return on investment\*.

\* XAVC support for HD will be available in 2014.

## Market

ENG, Corporate, Videography, Production, Rental, Education

## Applications

Field usage but also studio application; Broadcast, Production, Video Journalism, Wedding/Event Videography, Education, Corporate

## Service and Support

Prime Support package

Full package, 2 years warranty, helpdesk front line, replacement loan unit after seven days

Availability: October 2013

>>>

# PMW-300K1

Three 1/2" Exmor™ CMOS semi-shoulder XDCAM camcorder with 14x zoom interchangeable lens

<<<

| Top Features  | Advantages   | Benefits   |
|---|--|--|
| Full HD<br>MPEG-2 HD<br>422 50 Mbps<br>recordings plus<br>XAVC in the<br>future   | MPEG HD 422 codec,<br>recording Full HD (1920 x 1080)<br>at 50 Mbps in industry-standard<br>MXF files, with 24-bit 48 kHz,<br>4-channel audio, plus MPEG-2<br>HD 422 in Full HD (1920 x 1080)<br>at 35 Mbps. SD options include<br>MPEG IMX and DVCAM                                      | The high bit rate ensures<br>excellent capture of fast<br>moving objects, while<br>its chroma subsampling<br>feature is perfect for<br>a wide range of video<br>encoding areas such as<br>VFX and green screen |
| Interchangeable<br>lens system<br>(same as PMW-<br>EX3) with 14x<br>Fujinon HD lens<br>package (35mm<br>equiv: 31,5 -<br>439 mm)                    | Compatible with wide range<br>of 1/2-inch (optional ACM-18<br>adaptor) and 2/3-inch lenses<br>(optional ACM-21 adaptor).<br>Auto-focusing 14x zoom lens<br>package is supplied. Includes<br>a focus ring for quick switching<br>between auto and manual focus                              | Flexibility in shooting<br>different focal lengths<br>with optimal picture<br>quality  |
| 3.5-inch colour<br>LCD viewfinder,<br>8-pin remote-<br>control and<br>multi-camera<br>operation<br>capability, HD/<br>SD-SDI and<br>HDMI interfaces | Enhanced HD-resolution 3.5-<br>inch colour LCD viewfinder (960<br>x 540 pixels) enables precision<br>focusing for HD work, while the<br>8-pin remote-control and multi-<br>camera operation capability<br>allows PMW-300 to be used in<br>3D configurations and high-end<br>camera systems | Precision focusing with<br>3.5-inch colour LCD<br>viewfinder. Multi-camera<br>operation capability and<br>3D configurations with<br>integration to broadcast<br>infrastructures, for<br>versatile usage        |
| Wide range of<br>frame rates,<br>Slow and quick<br>motion from 1<br>fps to 60 fp  | HD recording mode of 1920<br>x 1080/23.98P and can<br>additionally record at 59.94i,<br>50i, 29.97P and 25P in MPEG-2<br>HD 422 mode. At 1280 x 720,<br>it can record 23.98P, as well as<br>59.94P, 50P, 29.97P and 25P  | Broad variety of formats<br>are supported, for any<br>kind of workflow, and to<br>meet customer's needs.<br>Furthermore slow and<br>quick motion functions<br>allow artistic creations                         |
| Cache<br>recording, Wi-Fi<br>remote control<br>with optional<br>Wi-Fi adaptor   | Uncompressed digital HD video<br>and audio signals output from<br>the HDMI and SDI to connect<br>with professional equipment   | 15 second cache<br>recording function.<br>Convenient wireless<br>remote control  |
| Semi-shoulder<br>robust design<br>with metal body   | Comfortable recording over<br>long periods. Magnesium metal<br>body ensures the camcorder is<br>robust and can withstand the<br>harshest environments  | Comfortable recording<br>over long periods.<br>Magnesium metal body<br>for extended durability   |

# PMW-300K2

Three 1/2" Exmor™ CMOS semi-shoulder XDCAM camcorder with 16x zoom interchangeable lens

The PMW-300K2 XDCAM camcorder is equipped with three 1/2-inch Exmor™ full-HD CMOS sensors, capable of delivering high-quality images even in low-light environments. Ample support for the supplied interchangeable 16x zoom HD lens and a robust metal body further ensure that PMW-300K2 is suitable for a wide range of applications. Additionally, the PMW-300K2 offers a convenient remote-control and multi-camera operation capability, which allows use with high-end camera systems.



An evolution of Sony's industry leading PMW-EX3, the PMW-300K2 is able to record 50Mbps HD material in MPEG-2 HD 422, meeting broadcast standards around the world, including the European Broadcasting Union's (EBU) requirements on HD broadcast acquisition for long form programme making. The high bit rate ensures excellent capture of fast moving objects, while its chroma subsampling feature is perfect for a wide range of video encoding areas such as VFX and green screen applications.

The camcorder can also be upgraded in the future to support Sony's revolutionary XAVC codec, extending the lifecycle of the product to ensure maximum return on investment\*.

\* XAVC support for HD will be available in 2014.

## Market

ENG, Corporate, Videography, Production, Rental, Education

## Applications

Field usage but also studio application; Broadcast, Production, Video Journalism, Wedding/Event Videography, Education, Corporate

## Service and Support

Prime Support package

Full package, 2 years warranty, helpdesk front line, replacement loan unit after seven days

Availability: January 2014

>>>

# PMW-300K2

Three 1/2" Exmor™ CMOS semi-shoulder XDCAM camcorder with 16x zoom interchangeable lens

<<<

| Top Features  | Advantages   | Benefits   |
|---|--|--|
| Full HD<br>MPEG-2 HD<br>422 50 Mbps<br>recordings plus<br>XAVC in the<br>future   | MPEG HD 422 codec,<br>recording Full HD (1920 x 1080)<br>at 50 Mbps in industry-standard<br>MXF files, with 24-bit 48 kHz,<br>4-channel audio, plus MPEG-2<br>HD 420 in Full HD (1920 x 1080)<br>at 35 Mbps. SD options include<br>MPEG IMX and DVCAM                                      | The high bit rate ensures<br>excellent capture of fast<br>moving objects, while<br>its chroma subsampling<br>feature is perfect for<br>a wide range of video<br>encoding areas such as<br>VFX and green screen |
| Interchangeable<br>lens system with<br>16x Fujinon HD<br>lens package<br>(35mm equiv:<br>31,5 - 439 mm)   | Compatible with wide range of<br>1/2-inch and 2/3-inch lenses<br>(optional ACM-21 adaptor). 16x<br>zoom lens package including<br>the ACM-18 adaptor. Includes<br>a focus ring for quick switching<br>between auto and manual focus  | Flexibility in shooting<br>different focal lengths<br>with optimal picture<br>quality  |
| 3.5-inch colour<br>LCD viewfinder,<br>8-pin remote-<br>control and<br>multi-camera<br>operation<br>capability, HD/<br>SD-SDI and<br>HDMI interfaces | Enhanced HD-resolution 3.5-<br>inch colour LCD viewfinder (960<br>x 540 pixels) enables precision<br>focusing for HD work, while the<br>8-pin remote-control and multi-<br>camera operation capability<br>allows PMW-300 to be used in<br>3D configurations and high-end<br>camera systems | Precision focusing with<br>3.5-inch colour LCD<br>viewfinder. Multi-camera<br>operation capability and<br>3D configurations with<br>integration to broadcast<br>infrastructures, for<br>versatile usage        |
| Wide range of<br>frame rates,<br>Slow and quick<br>motion from 1<br>fps to 60 fp  | HD recording mode of 1920<br>x 1080/23.98P and can<br>additionally record at 59.94i,<br>50i, 29.97P and 25P in MPEG-2<br>HD 422 mode. At 1280 x 720,<br>it can record 23.98P, as well as<br>59.94P, 50P, 29.97P and 25P  | Broad variety of formats<br>are supported, for any<br>kind of workflow, and to<br>meet customer's needs.<br>Furthermore slow and<br>quick motion functions<br>allow artistic creations                         |
| Cache<br>recording, Wi-Fi<br>remote control<br>with optional<br>Wi-Fi adaptor   | Uncompressed digital HD video<br>and audio signals output from<br>the HDMI and SDI to connect<br>with professional equipment   | 15 second cache<br>recording function.<br>Convenient wireless<br>remote control  |
| Semi-shoulder<br>robust design<br>with metal body   | Comfortable recording over<br>long periods. Magnesium metal<br>body ensures the camcorder is<br>robust and can withstand the<br>harshest environments  | Comfortable recording<br>over long periods.<br>Magnesium metal body<br>for extended durability   |



# ACC-U60

Accessory Kit for XDCAM camcorders

Consists of BC-U2 charger, two BP-U60 batteries, and a 16 GB SxS-1™ memory card.



| Market   | Applications                             |
|--|--|
| ENG, Videographers, Education, Corporate & Event | Field usage but also studio applications |

| Top Features                     | Advantages  | Benefits   |
|----------------------------------|---|--|
| Includes the BC-U2 quick charger | Compared to the supplied charger of camcorders the BC-U2 battery charger simultaneously charges two compact BP-U90U60/U30 Lithium-ion batteries at high speed, providing power for XDCAM camcorders | Better cost performance than buying each products separately |

Availability: Now

# BP-U60T

Battery with external Power Output

This new battery consists of the well known BP-U60 and includes an output to power external accessories.

It comes along with a 4 Pin connector and a cable to supply accessories with power up to 2A consumption. It's ideal to power the new Wifi- adaptor CBK-WA100.



## Market

ENG, Videographers, Education, Corporate & Event

## Applications

Field usage but also studio applications

## Top Features

IBP-U60 +  
Power Output  
for accessories

## Advantages

The battery has a 4 Pin 2A  
(Max) power output

## Benefits

Ideal battery to power  
the new CBK-WA100  
Wifi-adaptor

Availability: November 2013

# PFD-100TLA

Triple-Layer Professional Disc

The XDCAM Professional Disc product line has been expanded this summer with the addition of a triple-layer 100GB rewritable disc. This new version is twice as large the storage capacity of the original dual-layer optical media.



| Market                                  | Applications   |
|---|--|
| All broadcast and non broadcast markets | For long time and high capacity content which needs editing process before deep archiving. For temporary archive |

| Top Features           | Advantages                                     | Benefits                                |
|------------------------|--|---|
| Higher Capacity: 100GB | Recording over 180min of continuous HD422 mode | Economical                              |
| Transfer speed x2.4    | Faster copy                                    | Workflow efficiency                     |
| Rewritable Disc        | Economical                                     | Ideal for editing and temporary archive |
| > 50 years life cycle  | Durability of your investment                  | Reliable archive                        |
| SD/HD compatible       |  | Freedom                                 |

# PFD-128QLW

## Quad-Layer Professional Disc

With Sony quad-layer Professional Disc, XDCAM users can record up to 4 hours of XDCAM 4:2:2 50Mbps footage at an ultimate speed of 144Mbps. The disc is “write-once” and accept several clip recordings.



| Market                                  | Applications                               |
|---|--|
| All broadcast and non broadcast markets | Playout, transmission, storage and archive |

| Top Features                   | Advantages  | Benefits            |
|--------------------------------|---|---------------------|
| High capacity:<br>128GB        | High Recording time:<br>4hours<br><br>Saves Cost and Shelf<br>Space | Economical          |
| High Transfer Rate:<br>144Mbps | Faster copy and dubbing   | Workflow efficiency |
| > 50 years life cycle          | Durability of your<br>investment                                    | Reliable archive    |
| SD/HD compatible               |   | Freedom             |

# SBP-128B

## SxS-PRO+ Memory Card

Since its launch in 2007, SxS media has been the professionals choice for fast, reliable video capture. Now this constantly evolving format takes on the challenge of capturing ultra high definition 4K video with new faster speed, higher capacity SxS PRO+.

Capable of reading data at up to 1.6Gbps and writing at up to 1.5Gbps, new SxS PRO+ media boosts workflow efficiency to meet demanding production needs.

An efficient recording solution with the speed and size to transform 4K video capture.



| Market         | Applications                          |
|----------------|---------------------------------------|
| Cinematography | Ideal for film-making and productions |

| Top Features  | Advantages   | Benefits   |
|---|--|--|
| Faster speed:<br>Reading speed up to 1.6Gbps<br>Writing speed up to 1.5Gbps | High speed to capture more demanding formats   | The fast and reliable solution to capture ultra high definition 4K video |
| Available in 2 capacities : 64GB and 128GB                                  | With one 128GB card, shoot 20 minutes of 4K XAVC Intra 422 60p (600Mbps) video or 240 minutes of HD MPEG422 30p (50Mbps) video | Higher capacity for long recording                                       |
| Lifetime indication and Salvage function                                    | These features show remaining recording cycles and help recover the last few seconds of a shoot before power failure           | Reliable and safe media for demanding productions                        |

# PSZ-HA1T

## External Hard Disc Drive

Sony is now widening its horizons with the launch of professional external hard disc drives (HDD), fitting perfectly into file-based workflows. These drives allow precious footage to be downloaded and backed-up before editing while on location. And with excellent shock resistance and PC or Mac compatibility, they're an ideal media for delivering recordings to the studio.



Their rapid data transfer at up to 120MB/s enables professionals to quickly back-up the day's footage. And thanks to a special silicon cover, these drives can endure shocks and falls of up to 1.2m and are protected from dust and water. Available in 500GB and 1TB

| Market | Applications                                       |
|--------|--|
|        | Ideal for on location back-up and content delivery |

| Top Features                       | Advantages  | Benefits  |
|------------------------------------|---|---|
| Fast transfer speed                | Transfer speed up to 120MB/s thanks to USB 3.0 and Firewire 800 interfaces  | Fast media with common interfaces to enables professionals to quickly back-up and deliver their content |
| Robust design with a silicon cover | Drop-resistant up to 1.2m (MIL-certified) and splash-proof and dust proof (IP54 certification)  | Back-up your precious footage on a safe and secure storage solution in all conditions and environments  |
| Safe transportation case           | The case protects the drive against accidental damage when dropped as high as 2.2m. It allows easy cable storage and content identification | Transport and store safely your footage, without losing cables  |
| Full Professional support          | Drives come with a 3-year warranty for free replacement and a data recovery service that strives to recover lost or damaged contents        | Because accidents happen, you benefit from all the Sony assistance to help you recover your data.       |

# PSZ-SA25

## External Solid-State Drive

Together with the launch of Professional HDD, Sony is now offering an external Solid-State Drive (SSD) to make the best of file-based workflows. These drives are shock-resistant and compatible with PC and Mac to allow precious footage to be backed-up and downloaded anywhere.



Sony external SSD offers a rapid data transfer at up to 400MB/s to quickly back-up the day's footage. And with its silicon cover, it can endure the harshest environments and falls of up to 1.2m.

Available in 256GB

| Market | Applications                                       |
|--------|--|
|        | Ideal for on location back-up and content delivery |

| Top Features                       | Advantages  | Benefits  |
|------------------------------------|---|---|
| Fast transfer speed                | Transfer speed up to 400MB/s thanks to USB 3.0 and Firewire 800 interfaces  | Fast media with common interfaces to enables professionals to quickly back-up and deliver their content |
| Robust design with a silicon cover | Drop-resistant up to 1.2m (MIL-certified) and splash-proof and dust proof (IP54 certification)  | Back-up your precious footage on a safe and secure storage solution in all conditions and environments  |
| Safe transportation case           | The case protects the drive against accidental damage when dropped as high as 2.2m. It allows easy cable storage and content identification | Transport and store safely your footage, without losing cables  |
| Full Professional support          | Drives come with a 3-year warranty for free replacement and a data recovery service that strives to recover lost or damaged contents        | Because accidents happen, you benefit from all the Sony assistance to help you recover your data.       |

# NXCAM/AVCHD

## Introduction

The NXCAM range now boasts a powerful line-up with products designed for a variety of applications:

- NEX-FS700R/H, Super35mm Full-HD Super Slow Motion Camcorder with ability to record 4K/2K RAW on AXS-R5 recorder with HXR-IFR5 interface unit attached
- NEX-FS100E/K, the most affordable Super 35mm Camcorder on the market today
- NEX-EA50EH, APS HD CMOS semi-shoulder mount camcorder with the E-mount system
- HXR-NX5E, multi-purpose handheld camcorder
- HXR-NX70E, rain & dust proof compact camcorder
- HXR-NX30E ultra compact camcorder with balanced optical SteadyShot™

The MC series can let users work professionally in a budget:

- HXR-MC2000E, affordable professional shoulder mount camcorder

## Key Messages

The NEX range can accept virtually any type of lens, thanks to hundreds of third party adaptors in the market. In particular, Canon EF lens adaptors from Metabones, Birger Engineering and MTF Services, etc. can control the iris of the popular EF lens to adjust aperture and depth-of-field.

The popular NEX-FS700R/H offers Full HD Super Slow-motion and can be used for a huge range of applications, from videography & corporate production to mainstream television and cinematography. Furthermore, it now comes with the version 3.0 firmware pre-installed giving both S-Log & 4K RAW output, allowing it to record 4K/2K RAW on the AXS-R5 recorder with the HXR-IFR5 interface unit attached. Not only that but the NEX-FS700RH also now includes the SEL-18200PZ powered zoom lens.

The powerful but cost effective NEX-EA50EH uses an APS HD sensor for HD motion image and JPEG still image. Its compact semi-shoulder mount design offers comfortable operation in both handheld and shoulder mount shooting making it ideal for creative event production.

The all-in-one HXR-NX30E has the cutting edge Balanced Optical SteadyShot™ in its ultra-compact body. Even inexperienced operators can take very stable shots without using a bulky external stabiliser.



# HXR-IFR5

## Portable Memory Recorder Interface Unit

The HXR-IFR5 interface unit allows the Full-HD Super Slow Motion NEX-FS700E camcorder to capture stunning 4K RAW movie footage with the AXS-R5 RAW recorder.

The interface unit permits the NEX-FS700E to record 4K/2K RAW on AXS memory card media on the AXS-R5.

It also allows High Frame Rate recordings: 4K RAW at 120 fps Slow-motion (for 4 seconds) and 2K RAW 240 fps Slow-motion with no limitation.



### Market

4K Digital Cinema Production,  
2K(or HD) videographers

### Applications

Low budget 4K digital cinema  
creation, 2K/HD image creation  
with cinema look and slow-motion

| Top Features                    | Advantages  | Benefits   |
|---------------------------------|---|--|
| 4K RAW recording                | FS700E can become a low-cost in 4K RAW production   | Cost-effective 4K migration for FS700E users                       |
| 4K RAW Slow-motion (4sec.)      | No other handy 4K camcorders can create 4K slow-motion  | Ultra quality slow-motion for impressive scene or science shot     |
| 2K RAW unlimited Slow-motion    | Can solve the 8sec limitation in FS700E HD slow-motion  | Finally, everything can be captured in 2K/Full HD slow-motion      |
| Same workflow as F55/F5 with R5 | Once 4K/2K signal is recorded in R5 recorder, workflow is the same as that of F5/F55 with R5. | High-end F55/F5 customer can use the FS700E with IFR5 as B-camera. |

### Service and Support

Prime Support package

Full package, 2 years warranty,  
helpdesk front line, replacement loan  
unit after seven days

Availability: July 2013

# NEX-FS700R

Super35 mm super-slow motion modular 4K camcorder

NEX-FS700R is a Super35 mm sensor modular super slow-motion camcorder which allows to output 4K and 2K RAW data into HXR-IFR5 through 3G-SDI interface. Its pre-installed V3.00 firmware version allows to work with large dynamic ranges via 2 new gamma settings (S-Log2 -1300%- and 709 -800%-), as well as with motorized zoom lenses.



Combination with HXR-IFR5 and AXS-R5 allows RAW recording in normal and high-speed shooting: 4K (4096x2160) resolution is available in 23.98p, 50p, 25p, 59.94p and 29.97p formats, and can reach up to 120 fps super-slow motion framerate during approx. 4 seconds. 2K (2048x1080) resolution can reach up to 240 fps during unlimited time –depending on card and batteries capabilities-.

External recording can be triggered via SDI and HDMI interfaces, and secure access mode of PX series Memory Stick is also provided.

## Market

Commercials, music video, low budget movie, documentaries, sports, special effects, analysis, ENG

## Applications

High resolution (cinema, re-framing of signal, hi-res storage), super slow-motion, cinema-looking picture, low-light shooting, lightweight camera needs, strip-down and camera build

## Service and Support

Prime Support package

>>>

# NEX-FS700R

Super35 mm super-slow motion modular 4K camcorder

<<<

| Top features  | Advantages  | Benefits  |
|---|---|---|
| 4K & 2K normal/<br>super slow-motion RAW recording                  | 4K/2K RAW: 23.98p, 50p, 25p, 29.97p, 59.94p<br>4K super slow-motion RAW: 100 and 120 fps, approx. 4 s<br>2K super slow-motion RAW: 100, 120, 200 and 240 fps, continuous time | Compatibility and cost-saving: Low-budget 4K/2K RAW recording, via HXR-IFR5 and AXS-R5, internal AVCHD up to 28 Mbps (1080/50p) and external third-party recorders          |
| S-Log2 and 709 gamma curves   | S-Log2 gamma curve: 1300% dynamic range<br>709 gamma curve: 800% dynamic range  | Greater dynamic range, in order to allow users to record under any circumstance without light restrictions (low light scenes or highly contrasted takes).                   |
| Compatibility with active lenses                                    | Zoom rocker is active for zoom lenses, and information of lens is shown in metadata   | Higher flexibility, through the usage of motorized zoom lenses and adapters, allowing users to work in a more video/ENG-oriented way, and to user more than 35 lens systems |
| Record trigger to external recorder through SDI and HDMI interfaces | SDI and HDMI interfaces allow NEX-FS700R to trigger recording: when rec button is pressed on the camcorder, compatible external recording device automatically starts         | Recording synchronization between camera body and external recording, for easy and flexible connection. Recorder doesn't need to be close to camera head (i.e. a crane)     |
| Secure access mode of PX series Memory Stick                        | Secure recording with high quality flash and intelligent controller. Mirroring (dual recording) for secure record and playback  | Highly reliable Memory Stick media, with RAID capability, rugged physical features, and password-protected access mode  |
| Super35 mm 4K sensor  | 11.6 Mpx Exmor Super35 CMOS sensor provides true 4K resolution (4096x2160) with high-speed readout. 23.6x13.3 mm allow best low-light behaviour with maximum dynamic range    | Fully cinema-looking picture with the dimensions and geometry, inheriting many of the well-know cinema accessories (i.e. PL lenses)   |

Availability: End of September 2013

# NEX-FS700RH

Super35 mm super-slow motion modular  
4K camcorder with lens kit

NEX-FS700RH is a Super35 mm sensor modular super slow-motion camcorder which allows to output 4K and 2K RAW data into HXR-IFR5 through 3G-SDI interface. Its pre-installed V3.00 firmware version allows to work with large dynamic ranges via 2 new gamma settings (S-Log2 -1300%- and 709 -800%-). A motorized E-mount 18-200 lens is bundled with this NEX-FS700RH kit.



Combination with HXR-IFR5 and AXS-R5 allows RAW recording in normal and high-speed shooting: 4K (4096x2160) resolution is available in 23.98p, 50p, 25p, 59.94p and 29.97p formats, and can reach up to 120 fps super-slow motion framerate during approx. 4 seconds. 2K (2048x1080) resolution can reach up to 240 fps during unlimited time –depending on card and batteries capabilities-.

External recording can be triggered via SDI and HDMI interfaces, and secure access mode of PX series Memory Stick is also provided.

## Market

Commercials, music video, low budget movie, documentaries, sports, special effects, analysis, ENG

## Applications

High resolution (cinema, re-framing of signal, hi-res storage), super slow-motion, cinema-looking picture, low-light shooting, lightweight camera needs, strip-down and camera build

## Service and Support

Prime Support package

>>>

# NEX-FS700RH

Super35 mm super-slow motion modular  
4K camcorder with lens kit

<<<

| Top features  | Advantages  | Benefits  |
|---|---|---|
| 4K & 2K normal/<br>super slow-motion RAW recording                  | 4K/2K RAW: 23.98p, 50p, 25p, 29.97p, 59.94p<br>4K super slow-motion RAW: 100 and 120 fps, approx. 4 s<br>2K super slow-motion RAW: 100, 120, 200 and 240 fps, continuous time | Compatibility and cost-saving: Low-budget 4K/2K RAW recording, via HXR-IFR5 and AXS-R5, internal AVCHD up to 28 Mbps (1080/50p) and external third-party recorders          |
| S-Log2 and 709 gamma curves   | S-Log2 gamma curve: 1300% dynamic range<br>709 gamma curve: 800% dynamic range  | Greater dynamic range, in order to allow users to record under any circumstance without light restrictions (low light scenes or highly contrasted takes).                   |
| Motorized zoom lens supplied  | SELP18200 E-mount lens is provided by default, with full operation and lens information on the camcorder  | Higher flexibility, through the usage of motorized zoom lenses and adapters, allowing users to work in a more video/ENG-oriented way, and to user more than 35 lens systems |
| Record trigger to external recorder through SDI and HDMI interfaces | SDI and HDMI interfaces allow NEX-FS700RH to trigger recording: when rec button is pressed on the camcorder, compatible external recording device automatically starts        | Recording synchronization between camera body and external recording, for easy and flexible connection. Recorder doesn't need to be close to camera head (i.e. a crane)     |
| Secure access mode of PX series Memory Stick                        | Secure recording with high quality flash and intelligent controller. Mirroring (dual recording) for secure record and playback  | Highly reliable Memory Stick media, with RAID capability, rugged physical features, and password-protected access mode  |
| Super35 mm 4K sensor  | 11.6 Mpx Exmor Super35 CMOS sensor provides true 4K resolution (4096x2160) with high-speed readout. 23.6x13.3 mm allow best low-light behaviour with maximum dynamic range    | Fully cinema-looking picture with the dimensions and geometry, inheriting many of the well-know cinema accessories (i.e. PL lenses)   |

Availability: End of September 2013

# NEX-FS100E/EK

Super 35mm Exmor CMOS Sensor Camcorder

The NEX-FS100EK is a Full HD camcorder equipped with a Full HD Super35 Exmor CMOS sensor. This sensor provides a wide dynamic range, low noise and high sensitivity, while minimising rolling shutter and undesired moiré artefacts. The camcorder has a compact, box-shaped case, so it allows multiple accessories and operation, such as tripod, handheld or Steadicam. It inherits the E-mount from Sony consumer products, with a short flange back, in order to allow the use of many different lenses either directly or via optional adaptors.



NXCAM offers well-adopted non-linear workflows with the benefit of 2ch linear PCM recording. Footage is recorded onto MS or SD cards with hybrid recording available via the optional HXR-FMU128 flash memory unit.

## Market

Commercials (Very Low Budget), Pop promo (Low Budget), Corporate production, Documentary, Event (Wedding)

## Applications

For shooting productions where a high-end look and shallow depth of field is required

>>>

# NEX-FS100E/EK

Super 35mm Exmor CMOS Sensor Camcorder

<<<

| Top Features                             | Advantages   | Benefits  |
|--|--|---|
| Full HD Super35 Exmor CMOS sensor        | Due to Sony's advanced sensor technologies, this Exmor CMOS imager offers an excellent sensitivity and high signal to noise ratios | No large lighting set budget<br>No need for additional resources under changing lighting conditions   |
| Modular configuration / Ergonomics       | The reduced dimension chassis allows multiple accessories to be attached, as well as a reduced size and weight                     | Use of cheap HDMI recorders. Customisable by the user Low weight and space-saving chassis allows agile operation in space-constrained and awkward areas   |
| 1080p Full HD Slow-Motion                | Full 1080P Slow-motion up to 60fps   | Impressive image at low cost  |
| Global frame rates including 60p and 24p | More scalable and flexible than competitive products   | 50Hz/60Hz switchable for international video production job   |
| E-mount                                  | The NEX-FS100EK inherits the E-mount, as well as a short flange back   | Existing E-mount to A-mount adaptors (Sony LA-EA1) and other E-mount to other adaptors available Quality and specs of the lenses depend on the user needs |

## Service and Support

|                       |   |
|-----------------------|---|
| Prime Support package | Full package, 2 years warranty, helpdesk front line, replacement loan unit after seven days |
|-----------------------|---|

Availability: Now

# NEX-EA50EH

APS HD Exmor CMOS Sensor Camcorder

NEX-EA50EH offers cinema-look image in semi-shoulder mount style for stable shooting. It comes with a power-motor zoom lens which offers very smooth zooming. Any DSLR lens can be used via adaptor.



## Market

Corporate, Event, Education

## Applications

Impressive cinema-look image for wedding and event videographer, DSLR videographer, education market

>>>



# NEX-EA50EH

APS HD Exmor CMOS Sensor Camcorder

<<<

| Top Features              | Advantages  | Benefits   |
|---------------------------|---|--|
| Semi-shoulder mount style | EA50EH is enough compact for hand-held and its built-in shoulder supporter allows user to put the body on shoulder.   | Professionally stable image can be taken.  |
| Unlimited lens choice     | There are tons of lens adaptors. Sony Alpha, Canon, Nikon, PL, B4 lenses can be attached  | Great quality lens such as F1.4 can be used for superb quality image.  |
| Smooth zooming            | The supplied SEL-P18200 lens can be controlled from zoom rocker key on the EA50EH. In addition, the smart Digital Zoom offers smooth zooming even with prime lens !               | Like an ENG camcorder, easy servo zooming. High quality prime lens can turn into a zoom lens.  |
| FMU128 compatible         | Back-up is essential for wedding and event shooting. Possible to record on SD card and FMU128 simultaneously. Future FW will allow independent recording control of card and FMU. | New FW will keep recording on FMU while memory card recording can be started/ stopped by recording button. FMU never miss any scene. |

## Service and Support

|                       |   |
|-----------------------|---|
| Prime Support package | Full package, 2 years warranty, helpdesk front line, replacement loan unit after seven days |
|-----------------------|---|

Availability: Now

# HXR-NX30E

Ultra-compact NXCAM camcorder

The HXR-NX30E is an ultra-compact, palm-sized, professional NXCAM camcorder compatible with the latest full HD formats including 1080/50p video. It features a 26.0mm ultra wide-angle lens with 10x optical zoom (35mm equivalent: 26-260mm) and a back-illuminated 1/2.88-inch type Exmor R CMOS sensor for outstanding versatility. Like other NXCAM camcorders, it comes with the features professional users demand, including flexible timecode/user bit settings and XLR audio inputs for high reliability and high sound quality. One of the HXR-NX30E's biggest advantages is the Balanced Optical SteadyShot™ image stabilization system. This allows the entire optical block, from the lens to the image sensor, to “float” and absorb movement from the body. The result is extremely effective image stabilization even when zooming in, something previously difficult to achieve, ensuring handheld shooting with a new level of image stability.



## Market

Videographer, Corporate, Event, Education

## Applications

A powerful tool for gathering footage alone and as a B-camera during multi-camera shoots

>>>

# HXR-NX30E

Ultra-compact NXCAM camcorder

<<<

| Top features  | Advantages   | Benefits  |
|---|--|---|
| NXCAM professional features in a compact body                 | XLR, L-PCM audio, TC settings, etc   | Secure Run & Gun shooting with great mobility                 |
| Balanced Optical SteadyShot™ image stabilization system       | Eliminates the influence of vibrations from the body by enclosing the entire optical block     | Record stable images with minimal blur, every time            |
| Back-illuminated Exmor R CMOS sensor                          | Provides high sensitivity and low noise  | Record images with even higher definition                     |
| Built-in light offers auxiliary light source                  | Use as a flash when shooting still images or as an auxiliary light source when recording video | Particularly effective when recording in low-light conditions |
| A built-in projector can project images up to 100 inches wide | All the production crew can check the rushes   | Reduces the need for an external display                      |
| USB battery charge  | Built-in USB cable allows user to charge battery from laptop PC or mobile charger              | More versatile  |

Availability: Now

# HXR-NX70E

Compact Dust & Rain Proof Camcorder

The HXR-NX70E is the World's First Professional dust & rain proof ultra compact NXCAM camcorder. The HXR-NX70 is equipped with a 1/2.88 Exmor R™ CMOS sensor.

The Exmor R™ CMOS sensor delivers superior performance in low light situations, boasting roughly double the sensitivity

of conventional CMOS sensors. The HXR-NX70E is equipped with 96 Gbs of embedded Flash memory, for 9 hours of Full HD recording. Media is recorded on MS or SD cards. NXCAM offers well-adopted non-linear AVCHD workflows with the benefit of 2ch linear PCM or Dolby Digital recording. The detachable handle XLR adaptor and ECM-XM1 shotgun microphone are in the standard package but are not dust or rain proof and should be removed when used under these conditions.



## Market

Videographers, ENG, productions companies

## Applications

Documentary, natural histories, extreme sport, education, second ultra-compact camera for broadcast shoots. All applications that compact size, the water & dust proof performances are required

>>>

# HXR-NX70E

Compact Dust & Rain Proof Camcorder

<<<

| Top Features                  | Advantages   | Benefits   |
|-------------------------------|--|--|
| Dust & Rain Proof performance | IPX54 international standard for splash / dust proof is unique to NX70E  | No need to worry about a rain jacket. No longer miss a shot due to the environmental conditions. Less risk than other compact camcorders when going to harshest of environments  |
| 96GB Internal Memory          | Hybrid simultaneous recording on 96GB built-in memory and/or memory card (free future upgrade)   | Never miss a shot, you can record to internal memory when your memory card is full. Also simultaneous recording on both internal and external memory can realise more secure recording. (*Future firmware upgrade is required) |
| Wide Angle Lens               | Better low-light sensitivity thanks to the Sony's unique Exmor R technology. Wide angle lens is ideal for shooting in narrow room, vehicle and so on | No need for external wide adaptor thanks to its wide angle lens  |
| USB host                      | No need to use computer to backup the files  | Possible to backup important shots to external drive without using PC while travelling location to location  |

## Service and Support

|                       |   |
|-----------------------|---|
| Prime Support package | Full package, 2 years warranty, helpdesk front line, replacement loan unit after seven days |
|-----------------------|---|

Availability: Now

# HVL-LBPB

## On-Camera LED Video Light

The HVL-LBPB is a fully adjustable LED light capable of high intensity spotlighting (1800lx@1m) or uniform floodlighting (600lx@1m) making it ideal for interviews or wide-angle shots. An attached diffuser makes it possible to soften shadows and reduce contrast as required. The HVL-LBPB is powered by existing NP-F series batteries and due to its low power consumption of 16w it can be operated for approximately 3 hours\* making it a cost-effective lighting solution. When used in conjunction with a shoulder mount camcorder it is possible to use the supplied 12V DC adaptor as an alternative power source. The HVL-LBPB can be mounted in a variety of ways (Cold shoe/Screw bolt/Screw hole) giving real operational and creative flexibility. \* 3 hours operation using NP-F970 battery at maximum brightness



| Market  | Applications  |
|---|---|
| Broadcast, General Production, Corporate, Event Videographer, Education | Perfect for applications when external light sources cannot be controlled |

| Top Features  | Advantages   | Benefits  |
|---|--|---|
| Low Power consumption of 16w                                      | Long operational time of up to 3 hours at maximum brightness                             | One fully charged NP-F970 battery should be sufficient for most shoots, meaning fewer recharge cycles are required    |
| Both the brightness and the angle of the beam are easily adjusted | Capable of high intensity spot-lighting (1800lx@1m) or uniform flood-lighting (600lx@1m) | Perfect for a range of applications and conditions  |
| Supplied filters for colour temperature adjustment                | Allows the user to alter the colour temperature to either 5500k or 3200k                 | The colour temperature of the light can be adjusted to match that of the external light source to give a natural look |
| 12V DC adaptor  | The 12V DC adaptor can be used as an alternative power source                            | Allows the light to be used with a range of camcorders without the need to buy additional batteries                   |

# Vegas Pro 12

Professional HD video, audio  
and Blu-ray Disc™ creation

The Vegas™ Pro 12 collection provides an efficient and intuitive 64-bit native environment for professional audio and video production, as well as DVD and Blu-ray Disc™ authoring. This comprehensive suite offers a robust, forward-thinking approach to the art of content creation and audio-visual production. With innovative stereoscopic 3D tools, broad format support, superior video effects processing, unparalleled audio support, and a full complement of editorial features, the Vegas Pro 12 collection delivers everything needed to produce outstanding results. DVD Architect™ Pro 5.2 authoring software and the Dolby® Digital professional AC-3 encoder are also included.



| Market  | Applications                             |
|---|--|
| Professional and independent filmmakers, wedding videographers, and journalists | Vegas™ Pro 12 and DVD Architect™ Pro 5.2 |

| Top features       | Advantages  | Benefits  |
|--------------------|---|---|
| Expanded Edit Mode | See all of the unused media before and after the edit point for two events. The adjacent frames of the two clips at the edit point can be clearly viewed above the split track during the editing process. Loop Playback mode can be used to dynamically trim at the edit point | This feature enables users to edit interactively and dynamically on the timeline while the media is in motion. The split track view ensures that an edit is made in the correct place |
| 4K support         | Vegas Pro supports both 4K XAVC and XAVC S. Ingest 4K material natively right to the Vegas Pro timeline. Edit, enhance and render back to 4K or to a wide variety of popular formats  | Work with native 4K files. Preview in 4K, Edit in 4K, and render to 4K  |

>>>

# Vegas Pro 12

Professional HD video, audio  
and Blu-ray Disc™ creation

<<<

|                              |   |  |
|------------------------------|---|--|
| Comprehensive S-log Workflow | Using OpenColorIO technology developed by Sony Pictures Imageworks, Vegas Pro 12 supports S-log via the Academy Colour Encoding System (ACES) colour space standard     | Vegas Pro 12 is an end-to-end S-log solution, with the ability to apply the appropriate LUT (Look-up Table) during the editing process   |
| Project Media Tagging        | A Media Tag can be applied to the entire clip or to a region of a clip. As each clip is tagged, it will automatically be organized into appropriately named Media Bins  | Quickly categorize your media with customisable tags   |
| Colour Match                 | Match colours between clips in the highly versatile and powerful L*a*b colour space. The Colour Match plug-in offers several options to capture the desired Colour Data | Working with clips from cameras that were colour-balanced differently is no longer an issue. Use the Colour Match tools to align the white balance and colour of two images                      |
| Shape Masking Tools          | The new rectangle/square and oval/circle Masking Tools make it easy to mask portions of media by drawing the desired shape over the appropriate areas                   | Create a mask with rounded corners; move the centre point, or change the shape to diamonds, stars, and more. Easily apply effects to the masked area, to blur or pixelate a portion of the image |

## Service and Support

|                       |   |
|-----------------------|---|
| Prime Support package | Single, Gold, and Platinum over-the-phone support plans. Free support via email |
|-----------------------|---|

Availability: Now



# Blu-print 6

Professional Solutions for 2D and 3D

Blu-ray Disc™ Authoring

The Sony Blu-print™ authoring system is the optimal solution for 2D and 3D Blu-ray Disc authoring. Designed for professional high-volume production, it provides the flexibility to achieve complex authoring scenarios with great intuition for both the novice and the expert user.

**Blu-print™ 6** is

| Market  | Applications   |
|---|--|
| Professional and independent production studios and authoring houses. | Blu-ray Disc authoring for duplication and replication |

Availability: Now

| Top features                           | Advantages   | Benefits  |
|--|--|---|
| Fastest Blu-ray Multiplexing Available | Blu-print 6 dramatically increases the muxing speed of a project by taking advantage of multi-core systems | Increase productivity, reduce cost, increase authoring capacity without adding cost |

>>>

# Blu-print 6

Professional Solutions for 2D and 3D

Blu-ray Disc™ Authoring

<<<

|   |  |   |
|---|--|---|
| Blu-ray Specification Compliant for 2D and 3D   | All authoring actions follow and comply with the Blu-ray Association specification   | Supports Profile 5 Stereoscopic 3D Authoring Full support for MVC plus Offset 3D authoring Support for dual stream and single transport stream output <ul style="list-style-type: none"><li>• 3D non-seamless multi-angle with seamless connections</li><li>• Support for Layer break with-in a 3D clip</li><li>• 3D BD-J object and application support</li><li>• Support for Top Aligned and Bottom Aligned Subtitles</li><li>• Seamless branching (multi-story) for 3D supported</li><li>Direct Cutting Master support that speeds up production</li><li>• 3D BDJ Object and Application Support</li><li>• BDCMF Support to version 1.21</li></ul> |
| NEW, Speed improvements in Dolby TrueHD file handling                                   | Allows for faster multiplexing of Dolby True HD audio files. Files are processed in the background   | Multiplexing of your projects using Dolby TrueHD audio files will see a significant speed increase  |
| Improved 3D project multiplexing for better project verification at time of replication | Automatic TS Recording rate prediction for 3D projects to minimize any buffer underflow problems related with stereoscopic 3D multiplexing | Quickly categorize your media with customisable tags  |

# DoStudio Authoring (DSA)

Professional 2D and  
3D Blu-ray Disc™ Production

With DoStudio, Sony now brings you professional authoring and encoding solutions for 2D and 3D Blu-ray Disc production. The DoStudio line provides professionals with the easiest, most affordable, and full-featured Blu-ray production tools available.

**DOSTUDIO™** AUTHORING

| Market  | Applications   |
|---|--|
| The Sony DoStudio Authoring family is a professional Blu-ray Disc authoring solution designed for the small post facility or independent author | Blu-ray Disc authoring for duplication and replication |

Availability: Now

| Top features  | Advantages  |
|---|---|
| 2D and 3D Blu-ray Disc authoring and encoding                                       | Built in pop-up menu creation gives you full access to the out-of-mux interactive graphics layer native to Blu-rays. Want to let viewers download cool extras to their iPhone, iPad or Android device? There's an app for that called BD Touch. Available for the iOS or Android platforms. With Release 3.0, you have full access to the Blu-ray playlist structure so creating and arranging multiple playlists is just drag and drop |
| Point and Click Blu-ray authoring   | DoStudio reduces the learning curve for Blu-ray authoring and dramatically speeds up the authoring process due to its intelligent streamlining of the authoring process   |
| Full support for all video and audio codecs allowed by the BD Specifications        | DoStudio is a complete Blu-ray authoring tool that has been used to successfully replicate thousands of titles worldwide  |
| PSD Menu file support. Improvements in Dolby TrueHD file handling                   |   |
| BDCMF formatting for replication included   |   |
| DoStudio Encoders allow both AVC and MVC Blu-ray compliant encoding of source video |   |

# DoStudio Encoder (DSE)

AVC and MVC Blu-ray™ Encoder

The DoStudio AVC Encoder is a cost-effective, easy to use Blu-ray encoding solution optimised for the output of your Final Cut Pro, Premiere or Avid workflow. The MVC Encoder delivers gorgeous 3D encodes for Blu-ray 3D. Designed specifically to deliver the Multi View Coding format for Blu-ray 3D applications, it delivers high quality full 1080p streams to each eye with Sony's ease-of-use and practical approach to pricing and workflow considerations.

DOSTUDIO™ ENCODER

## Market

Professional, Independent, and small and large authoring studios needing BD specification compliant encoders for AVC and MVC

Availability: Now

| Top features   | Advantages  | Benefits  |
|--|---|---|
| MVC codec support for 3D Blu-ray, 3D mobile and more | The DoStudio encoder creates 100% guaranteed Blu-ray spec compliant MVC files for BD3D applications.<br>MVC high profile VBR/CBR support<br>2-pass encoding<br>Multi-threaded<br>AVC headers for decoding of base view with standard AVC decoder/player | Designed to work with your existing Blu-ray workflow, the DoStudio AVC and MVC Encoder accepts Quicktime files in a variety of codecs, as well as uncompressed AVI and YUV file input. Apply an encoding template with drag-and-drop to efficiently setup your encoding project |
| Guaranteed Blu-ray Compliant 2D AVC Streams          | The DoStudio Encoder employs easy-to-use templates for Primary and Secondary (PiP) audio/video setup. Apply templates to individual streams or use Title templates to apply settings to all assets in the title set                                     |   |
| Chapter Marking during Video Playback                | The DoStudio Encoder plays back Quicktime files and lets you mark chapter points with the click of a button, automatically inserting an I-frame at the chapter point to guarantee frame accuracy  |   |

# Z Depth

## 3D Subtitle Editing Application

Z Depth is a unique editing application specifically designed for the needs of stereoscopic Blu-ray 3D productions and 3D Digital Cinema projects. Z Depth allows you to edit and record the offset data needed for accurate

placement of subtitles and graphics in the 3D scene of your Blu-ray movie or Digital Cinema production. Using the video processing power of Vegas Pro 11 software, you can watch your movie on a 3D monitor and easily place and position subtitle or menu graphics accurately in the 3D space. Z Depth records the offset disparity data for use in a stereoscopic Blu-ray 3D authoring application or by compatible Digital Cinema projection systems.



### Market

Professional, Independent, and small and large authoring studios for Blu-ray and Digital Cinema

Availability: Now

>>>

# Z Depth

## 3D Subtitle Editing Application

<<<

| Top features   | Advantages   |
|--|--|
| Easily adjust subtitle depth in 3D projects for accurate placement of subtitles in the 3D scene                              | Export options include: .xml, .ofs, .dost, .do3d   |
| Automated Depth Analysis of Stereoscopic (SS) Video  | Automatically determines the most effective depth value used to assign Z Axis placement for the subtitle or menu graphic event. Depth value analysis can be automated based on time code entries, length of video, or number of graphic events   |
| 3D Digital Cinema text/font XML support  | Allows import of the Digital Cinema XML format that contains text or font subtitle information. Z Depth automatically produces accurate subtitle event image files from the DC XML for full use by all Z Depth features. After recording of the offset disparity data, a fully compatible DC XML file is exported for use by the DC projection systems |
| Subpixel Precision for Digital Cinema  | New adjustment options for offset data values allow for subpixel precision when outputting file formats compatible with Digital Cinema 3D productions  |
| Create standard Offset Metadata for use in Blu-ray or Digital Cinema 3D projects   |  |
| Exported offset and metadata files are compatible with any Blu-ray authoring application that supports BDN + Offset Metadata |  |

# SpectraLayers Pro 2

Advanced Audio Spectrum Editor

SpectraLayers™ Pro 2 is the leader of today's audio spectrum editing movement. New features include faster processing, Spectral Casting/Spectral Molding™, seamless interoperability with Sound Forge™ Pro 11, and a host of other improvements. Take it to the extreme with SpectraLayers Pro 2—available for both Mac and PC.



**Market**

SpectraLayers is an essential application for audio mastering engineers, sound designers, audio-for-video producers, archivists, and professionals who demand the deepest audio analysis tools

**Applications**

Audio mastering, sound design, audio-for-video post-production, forensics, scientific analysis, archival preparation, professions that demand the deepest audio analysis tools

**Service and Support**

Prime Support package

2 years warranty, helpdesk front line, repair within 7 days

Available for both Mac and PC  
Availability: Now

>>>

# SpectraLayers Pro 2

Advanced Audio Spectrum Editor

<<<

| Top features   | Advantages  | Benefits   |
|--|---|--|
| Reach into and operate directly on audio spectra using a wide variety of smart editing tools                                       | The tools predict what your desired selection should be; they seek and highlight target audio material for extraction                                       | Select only the frequencies you need to edit, and leave surrounding audio material untouched                                     |
| Unmix audio files into discrete component layers   | Extracted layers can be processed in isolation. Perform time and pitch changes, plug-in processing, error and artifact removal, noise reduction, and more   | Audio tracks that were once thought to be ruined beyond repair can now be salvaged; audio master files can be unmixed or remixed |
| Remove precisely targeted audio from a sound file with the highlight, extract, and invert method                                   | Phase cancellation of extremely precise selections within an audio file is now possible   | SpectraLayers Pro takes precision audio editing to an entirely new level   |
| Perform exclusive Spectral Casting/ Spectral Molding operations  | Create free space for hard-to-distinguish sounds to occupy in a mix, and explore unlimited, unprecedented sound design and special effects creation options | Enjoy signal and effects processing features unavailable in any other program  |
| Sound can be freely transposed in SpectraLayers Pro with the Select, Move, and Scale tools   | Time and pitch corrections can now be made on master files in post  | SpectraLayers brings today's most advanced editing tools to an eminently affordable and approachable platform                    |
| Noiseprint-based noise reduction. A single SpectraLayers noiseprint can be comprised of any number of frequency bands of any width | Custom noiseprints can be created quickly by simply marking off small segments of each offending frequency band   | These artistic noiseprints ensure that no desirable program material is sacrificed in the noise reduction process                |



# Sound Forge Pro 11

## Advanced Audio Waveform Editor

Sound Forge™ Pro is the application of choice for a generation of creative and prolific artists, producers, and editors. Record audio quickly on a solid platform, address sophisticated audio processing tasks with surgical precision, and render top-notch master files with ease. New features include one-touch recording, metering for the new critical standards, more repair and restoration tools, and exclusive round-trip interoperability with SpectraLayers Pro 2. Taken together, these enhancements make this edition of Sound Forge Pro the deepest and most advanced audio editing platform available.



| Market  | Applications  |
|---|---|
| All professionals who record, edit, and process audio content | Sound Forge Pro is the industry standard application for sound designers, audio mastering engineers, musicians, audio restoration specialists, Compact Disc gold master producers, and audio archivists |

Available for PC

Availability: Now

>>>

# Sound Forge Pro 11

## Advanced Audio Waveform Editor

<<<

| Top features                                       | Advantages   | Benefits  |
|--|--|---|
| CALM / EBU R128 compliant metering                 | Follow the new rules while maximizing your potential   | Obtain precise level readings and measure dynamic range   |
| Modeless one-touch recording                       | Stay armed for recording at all times with customisable pre-roll and post-roll monitoring  | Punch-and-roll recording is now a snap in Sound Forge Pro 11  |
| Seamless Interoperability with SpectraLayers Pro 2 | Send multiple files to SpectraLayers Pro 2 for deep layering, remixing, and sound design work, and then return your finished products back to Sound Forge Pro 11 for further editing, processing, and finalisation | Transfer audio data between Sound Forge Pro 11 and SpectraLayers Pro 2 and experience the thrill of working freely across the world's premiere waveform and spectral editing applications |
| Modeless Plug-in Chain interface                   | Dock the chain and enjoy direct access to every component of the processing environment  | Significantly refined workspace for conducting signal and effects processing operations   |
| Broadcast Wave File Format enhancements            | Supports BEXT BWF version 2.0 and iXML   | Work with the current standards in BWF metadata protocols   |
| Waveform Overview Bar                              | Displays your exact location and also serves as an excellent locator and auditioning tool  | File navigation is now easier than ever in Sound Forge Pro 11   |
| Event Mode improvements                            | Lock event markers, region markers, and envelope points to events, ripple successive events forward, and more  | Edit sound in a faster workflow environment that streamlines the editing process and lock edits securely into place   |
| Restore and Repair tools                           | New in this edition: iZotope Declipper, Denoiser, and Declicker  | These new plug-ins work like magic in a wide variety of situations  |
| Nectar Elements by iZotope                         | The included Nectar Elements plug-in makes vocal treatment a snap  | 10 powerful processors let you focus on your sound, not your set-up   |
| Native digital signal processing                   | Includes a comprehensive selection of native signal and effects processes  | Capture and deliver master-quality audio  |

# Sound Forge Pro Mac

## Professional Digital Audio Editor

Sound Forge Pro Mac is an ideal solution for producers who need to record, edit, and deliver crisp, punchy, and perfectly optimised audio content for any purpose.

Built on a clean slate for OS® X, Sound Forge Pro Mac provides a contemporary application environment that's perfect for recording, editing, processing, and rendering broadcast-quality audio master files. Enjoy lightning fast operations on an elegant interface that feels completely at home on the Mac. Dedicated viewing panels display only the features you need for the ideal workflow, while legacy tools such as event-based editing and a thoroughly updated Plug-in Chainer provide what Sound Forge users have come to expect. A fresh statement on audio editing software, Sound Forge Pro Mac includes a comprehensive suite of mastering, restoration, and repair tools for immediate results.



### Market

Mastering Engineers, Audio Post, Sound Designers, Archivists, Musicians

Available for Mac

Availability: Now

>>>

[view more online >](#)

[channel partners only >](#)  
you must be logged in

# Sound Forge Pro Mac

Professional Digital Audio Editor

<<<

| Top features            | Advantages   | Benefits   |
|-------------------------|--|--|
| Focused Editing         | Configurable viewing panels allow you to toggle to any project view you need in seconds  | See everything at once, or toggle your view to see only the features you want, when you want. Easily navigate the entire interface and work quickly, even on laptops |
| Audio Mastering         | Forge Pro Mac includes iZotope's Mastering and Repair Suite of high-end processing plug-ins  | Enjoy instant access to everything you need to prepare, process, and render finished audio master files  |
| High-Fidelity Recording | Users can route their inputs, position the Record tool anywhere in the user interface, click Record, and bring pristine audio into their computers—up to 32 simultaneous channels at 64-bit/192 kHz resolution | Assigning hardware, metering input signals, arming tracks, and recording high-resolution multichannel audio is a simple and fluid process in Sound Forge Pro Mac     |
| Partner Plug-ins        | Process audio using Mastering and Repair plug-ins from iZotope™, and time/pitch modification algorithms from Zplane™   | Enjoy a complete set of high-end signal and effects processing plug-ins right out of the box, and perform flawless time and pitch transposition                      |

# Broadcast & Professional Monitors

## Introduction

### Key Messages

- Sony recognizes the need to diversify its offering to provide a powerful range of TRIMASTER EL™ OLED professional monitors suitable for the various demands of the content creation market:
- BVM-E series is providing ultimate picture performance for the most demanding critical applications such as colour grading, VFX and Digital cinema.
- BVM-F series provides reference picture monitoring performance at an affordable price for the various broadcast applications.
- PVM OLED series satisfy a wider demand for high quality and cost effective picture monitoring applications.
- Sony OLED technology provides far superior picture performance over conventional LCD technology.
- The TRIMASTER EL™ OLED monitors continue to evolve to meet the expectations of critical users who want a professional-quality picture performance.
- In addition to unparalleled black performance, accurate colour reproduction, and quick pixel response, the TRIMASTER EL new “A” series monitors offer wider viewing angles. This evolution contributes to users efficient work flows.
- The new TRIMASTER EL™ is using EL (electro-luminescence) OLED panels expanding the capabilities of Sony’s TRIMASTER™ technology. It maximizes the full performance capabilities of professional flat-panel displays delivering higher levels of colour accuracy and colour reproduction, precision imaging and consistent picture quality.
- BVM-E/F and PVM-xx41 series are available in sizes 25, 17 and 7.4-inch.
- The benefits of Sony OLED technology are: unrivalled black reproduction beyond CRT, accurate colours reproduction even at low luminance levels, crisp motion images, extremely high contrast ratio reproducing peak whites, enhanced light transmission efficiency over conventional OLED, wider colour gamut and purity.
- Sony is presenting at IBC a wide range of LCD monitors which covers many applications in the broadcast and corporate industries. The LMD xx41 Series is equipped with slim bezel and high-end features set to fit in many production applications. The LMD 10 series is a cost effective line-up for entry level applications equipped with basic professional video features set and HD SDI and HDMI inputs ideal for prosumer applications.
- Sony is introducing at IBC the first 4K SxS player, the BKM-XP1, that fits at the rear of the 4K PVM-X300 monitor. This combination improves the production workflow allowing instant playback of 4K contents and back-up of on-set contents for daily reviews. The PVM-X300 is the ideal companion of the new PMW-F55.

>>>

# Broadcast & Professional Monitors

## Introduction

<<<

### Key Messages

- 25,000 sales of TRIMASTER EL™ OLED monitors !!
- At IBC2013, new sales figures illustrate how Sony's OLED monitors have rapidly become the industry standard for reference and picture quality monitors.
- TRIMASTER EL™ exceeds the performance of conventional OLED technology with the following benefits:
  - Unrivalled black reproduction.
  - Very high contrast and dynamic range.
  - Wider colour space and lower power consumption.
  - Accurate Gamma and picture uniformity.
  - Enhanced picture accuracy, consistency, repeatability and stability.
- Benchmark Sony Key technology TRIMASTER EL™ as the combination of TRIMASTER™ and EL (Electro Luminescence) OLED panel.
- New BVM/PVM "A" Series provides unreachable viewing angles performance beyond any flat panel technology.
- BVM-E250A provides "State of the art" picture quality for high end Master monitoring applications such as Digital Cinema.
- BVM-F series is the ideal solution for broadcast reference monitoring applications with an affordable price.
- Promote PVM-xx41A as high quality picture monitors for wider range of applications such as editing, PGM/PVW, monitor wall in OB van, etc.
- Sony is the only manufacturer to propose a complete family of OLED monitors with seven models from 7.4", 17" and 25" sizes covering various demands for the broadcast and industrial markets.
- Super Top Emission™ is Sony's core technology used in its OLED panels to improve light transmission efficiency, increase the contrast ratio and improve colour purity.
- PVM-xx41 and LMD-xx41 series are using the same chassis bringing system consistency, common operational flexibility and maintenance ease.
- LMD-xx41 series can be proposed as a cost alternative and affordable solution to the high-end PVM-xx41A series.
- Sony has developed a new automatic colour temperature adjustment system compatible with all its professional monitor range and using various type of colour analyser probes.

# BVM-E250A/E170A

25 & 17-inch TRIMASTER EL™

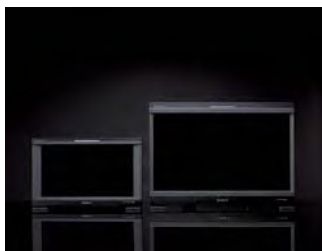
Reference Cinema OLED Monitors

The TRIMASTER EL™ OLED monitors continue to evolve to meet the expectations of critical users who want a professional-quality picture performance.

In addition to unparalleled black performance, accurate colour reproduction, and quick pixel response, the TRIMASTER EL™ new "A" series monitors offer wider viewing angles. This evolution contributes to users efficient work flows.

The TRIMASTER EL™ OLED technology provides superior picture performance over conventional LCD technology. It is using EL (electroluminescence) displays, expanding the capabilities of Sony's TRIMASTER™ technology. This maximises the full performance capabilities of professional flat-panel displays to deliver higher levels of picture quality, accuracy, consistency and stability which is required for a reference monitor. BVM-E series is available in two sizes 25 and 17-inch.

The BVM-E series delivers ultimate picture performance for the most demanding applications such as colour grading, VFX and D-cinema.



## Market

Production, Post Production  
Broadcast

## Applications

Digital Intermediate, On-Set, Colour Grading, VFX, high-end Post production. Camera control, PGM/PVW Quality control, R&D, engineering, Blu-ray and DCI, authoring, etc.

## Service and Support

Prime Support package

2 Years warranty, Repair within 7 days,  
Loan units over 7 days

Availability: Now

>>>

[view more online >](#)

[channel partners only >](#)  
you must be logged in

# BVM-E250A/E170A

25 & 17-inch TRIMASTER EL™

Reference Cinema OLED Monitors

<<<

| Top Features                             | Advantages   | Benefits  |
|--|--|---|
| Sony Professional OLED technology (STE). | True blacks with colours in the low lights, less motion blur, very high contrast and peak whites, wide viewing angles.   | Picture Accuracy required for Master monitoring.                                  |
| TRIMASTER EL™ technology.                | Accuracy of colours, precision imaging and picture consistency.  | Ultimate picture precision.   |
| Wide Colour Gamut.                       | EBU, SMPTE, ITU-709, D-Cine (P3), Native.  | Wide range of colour spaces for Broadcast and cinema applications.                |
| Versatile video input.                   | Up to 3G-SDI, HDMI, Display Port as Standard. Optional BKM boards for further digital and analogue inputs.   | Variety of inputs connections for enhanced operational flexibility.               |
| New cosmetic design.                     | Slimmer, lighter and lower power consumption than previous BVM-L series.   | Advanced design for better integration. ECO design.                               |
| Enhanced features set.                   | ASC CDL/User LUT, S-log, 2K picture reproduction, Picture savings on memory stick, Easy software upgrade by MS, Copy mode, Picture&Picture modes, Pixel zoom, 3D picture analysis (with BKM-250TG), Ethernet remote, etc.                                      | Ideal for On-Set cinema acquisition, production and post-production applications. |
| Auto White Adjustment.                   | Free GUI software compatible with 10 of the most popular colour analysers: i1Pro, i1Pro2 (X-Rite), CA-210, CA-310, CS-200 (Konica Minolta), PM5639/06 (DK-Technologies), PR-655, PR-670 (Photo Research), K-10 (Klein Optical Instruments), Specbos1211(JETI). | Quick and simple adjustment. Wide choice of colour probes.                        |



# BVM-F250A/F170A

25 & 17-inch TRIMASTER EL™

Reference Broadcast OLED Monitors

The TRIMASTER EL™ OLED monitors continue to evolve to meet the expectations of critical users who want a professional-quality picture performance.

In addition to unparalleled black performance, accurate colour reproduction, and quick pixel response, the TRIMASTER EL™ new “A” series monitors offer wider viewing angles. This evolution contributes to users efficient work flows.

The TRIMASTER EL™ OLED technology provides superior picture performance over conventional LCD technology. It is using EL (electroluminescence) displays, expanding the capabilities of Sony's TRIMASTER™ technology. This maximises the full performance capabilities of professional flat-panel displays to deliver higher levels of picture quality, accuracy, consistency and stability which is required for a reference monitor. BVM-F series is available in two sizes 25 and 17-inch.

The BVM-F series offers affordable reference picture quality for the various Broadcast applications. It opens up the possibility of Professional OLED technology to a wider range of applications in the broadcast industry, completing a range of products to meet every individual's needs.



## Market

Production, Post Production  
Broadcast

## Applications

VFX, high-end Post Production.  
Camera control, PGM/PVW, Quality  
control, R&D, engineering, Blu-ray and  
DCI authoring, etc.

## Service and Support

Prime Support package

2 Years warranty, Repair within 7 days,  
Loan unit over 7 days

Availability: Now

>>>

[view more online >](#)

[channel partners only >](#)  
you must be logged in

# BVM-F250A/F170A

25 & 17-inch TRIMASTER EL™

Reference Broadcast OLED Monitors

<<<

| Top Features                             | Advantages  | Benefits   |
|--|---|--|
| Sony Professional OLED technology (STE). | True blacks with colours in the low lights, less motion blur, very high contrast and peak whites, wide viewing angles.  | Picture Accuracy for reference monitoring.                             |
| TRIMASTER EL™ technology.                | Accuracy of colours, precision imaging and picture consistency.   | Accurate picture precision.  |
| Broadcast Colour Gamut.                  | EBU, SMPTE, ITU-709.  | Variety of colour spaces for broadcast Applications.                   |
| Versatile video input.                   | Up to 3G-SDI, HDMI, Display Port as Standard. Optional BKM boards for additional digital and analogue inputs.   | Variety of inputs connections providing wider operational flexibility. |
| Enhanced features set.                   | Picture savings on memory stick, Easy software upgrade by MS, Copy mode, Picture&Picture mode, Pixel zoom, 3D picture analysis (with BKM-250TG), Ethernet remote, etc.  | Ideal for broadcast production and post-production applications.       |
| Auto White Adjustment                    | Free GUI software compatible with 10 of the most popular colour analysers: i1Pro, i1Pro2 (X-Rite), CA-210, CA-310, CS-200 (Konica Minolta), PM5639/06 (DK-Technologies), PR-655, PR-670 (Photo Research), K-10 (Klein Optical Instruments), Specbos1211(JETI) | Quick and simple adjustment.<br>Wide choice of colour probes           |

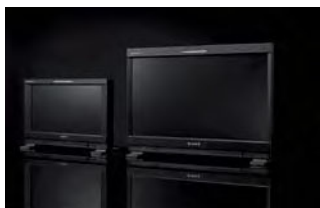
# PVM-2541A/1741A

25 & 17-inch TRIMASTER EL™

High Grade OLED Monitors

The TRIMASTER EL™ OLED monitors continue to evolve to meet the expectations of critical users who want a professional-quality picture performance.

In addition to unparalleled black performance, accurate colour reproduction, and quick pixel response, the TRIMASTER EL™ new "A" series monitors offer wider viewing angles. This evolution contributes to users efficient work flows.



TRIMASTER EL™ is Sony's Professional OLED technology. This new technology provides superior picture performance far beyond conventional LCD technology. The new TRIMASTER EL™ is using EL (electro-luminescence) displays, expanding the capabilities of Sony's TRIMASTER™ technology. This maximises the full performance capabilities of professional flat-panel displays to deliver higher levels of colour accuracy and colour reproduction, precision imaging and consistent picture quality. PVM-xx41 Series is available in three sizes 25, 17 and 7.4-inch.

## Market

Production, Post Production, Broadcast, Corporate

## Applications

High grade Post-Production, Digital gallery monitor wall, PGM&PVW monitoring, Studio, OB's, Office viewing, etc.

## Service and Support

Prime Support package

2 Years warranty, Repair within 7 days, Loan unit over 7 days

Availability: Now

>>>

[view more online >](#)

[channel partners only >](#)  
you must be logged in

# PVM-2541A/1741A

25 & 17-inch TRIMASTER EL™

High Grade OLED Monitors

<<<

| Top Features                             | Advantages  | Benefits  |
|--|---|---|
| Sony Professional OLED technology (STE). | True black details with low lights colours, less motion blur, very high contrast and peak whites, wide viewing angles.  | Picture quality far beyond superior to LCD monitors and conventional OLED technology.   |
| TRIMASTER EL™ technology.                | Accuracy of colours, precision imaging and picture consistency.   | Picture quality superior to CRT!  |
| Broadcast Colour Gamut.                  | EBU, SMPTE, ITU-709.  | Variety of colour spaces for broadcast Applications.  |
| Versatile video input.                   | UP to 3G-SDI, HDMI, composite and analogue Audio.   | Most used video inputs fitted as standard for cost effectiveness.   |
| Same chassis as LMD-41W series.          | Slim bezel with aluminium chassis, ideal for monitor wall integration.  | High quality picture monitoring at an affordable price. Easier maintenance with chassis consistency between OLED and LCD monitor range. |
| Auto White Adjustment                    | Free GUI software compatible with 10 of the most popular colour analysers: i1Pro, i1Pro2 (X-Rite), CA-210, CA-310, CS-200 (Konica Minolta), PM5639/06 (DK-Technologies), PR-655, PR-670 (Photo Research), K-10 (Klein Optical Instruments), Specbos1211(JETI) | Quick and simple adjustment. Wide choice of colour probes   |
| Enhanced features set                    | Waveform, vector scope (line, field and zoom), ALM, Time code, Colour Focus assist, etc   | Ideal for On-Set, field applications, others  |

# PVM-741

7.4-inch TRIMASTER EL™ OLED Monitor

The PVM-741 is the successor model of the PVM-740. It uses TRIMASTER EL™ technology offering real added value in term of picture performance as compare to conventional OLED technology. The PVM-741 is a 7.4-inch display with quarter HD resolution over conventional QVGA. It has the same chassis as the new LMD-941W and offer similar functionalities.

Compare to the PVM-740, this monitor is equipped with two 3G SDI inputs and new features set such as enhanced Waveform and Vectorscope, Colour camera focus, Time Code display and a new I/P mode selection for low video delay.



## Market

Broadcast, corporate, industrial and government, security, etc.

## Applications

Acquisition, Field, Camera assist monitor, Production OB vehicles, studio, critical viewing, R&D, etc.

## Service and Support

Prime Support package

2 Years warranty, Repair within 7 days, loan unit over 7 days

Availability: Now

>>>

[view more online >](#)

[channel partners only >](#)  
you must be logged in

# PVM-741

7.4-inch TRIMASTER EL™ OLED Monitor

<<<

| Top Features                                     | Advantages   | Benefits   |
|--|--|--|
| TRIMASTER EL™ technology                         | Rich colour and wider colour space. Stunning blacks and speed. Increase brightness and contrast. Low power consumption   | Best picture performance on the market                         |
| High resolution OLED panel                       | Quarter HD (960x540)   | Higher resolution than other small size panels (QVGA, 800x480) |
| 10-bit driver                                    | Excellent colour depth and precise gamma response  | High level of accuracy   |
| Superior performance                             | Better than CRTs!  | Best product in its size range                                 |
| Two 3G SDI inputs and new features set included. | Enhanced user flexibility  | Cover various applications                                     |
| Auto White Adjustment                            | Free GUI software compatible with 10 of the most popular colour analysers:<br>i1Pro, i1Pro2 (X-Rite), CA-210, CA-310, CS-200 (Konica Minolta), PM5639/06 (DK-Technologies), PR-655, PR-670 (Photo Research), K-10 (Klein Optical Instruments), Specbos1211(JETI) | Quick and simple adjustment.<br>Wide choice of colour probes   |
| Enhanced features set                            | Waveform, vector scope (line, field and zoom), ALM, Time code, Colour Focus assist, etc  | Ideal for On-Set, field applications, others                   |

# PVM-X300

30-inch 4K TRIMASTER™ LCD professional monitor

Sony is proud to introduce the PVM-X300, 30-inch, true 4K (4096 x 2160 pixels) resolution LCD video monitor, ideal for 4K previewing in On-Set set and editing applications.

The PVM-X300 monitor realizes true 4K resolution in a portable 30-inch size. It's packed with features such as a wide-viewing-angle IPS LCD panel, and versatile input interfaces. In addition, it delivers a user-application-oriented monitor control system, and supports an optional SxS 4K player.



## Market

Digital Cinema, Live production, Broadcast, Industrial production, etc.

## Applications

4K Digital Intermediate, editing, camera control, PGM/PVW, quality control, R&D, industrial design and visualization systems, computer graphics systems, museum and laboratory environments, etc.

## Service and Support

Prime Support package

2 Years warranty, Repair within 7 days, Loan unit over 7 days

Availability: Now

>>>

[view more online >](#)

[channel partners only >](#)  
you must be logged in

# PVM-X300

30-inch 4K TRIMASTER™ LCD professional monitor

<<<

| Top Features   | Advantages  | Benefits  |
|--|---|---|
| True 4K professional monitor                             | Display 4K resolution (4096x2160 pixels)  | Ideal companion with the PMW-F55 and for 4K dailies review. Provide ultimate resolution for computer graphics.                  |
| 30-inch LCD (IPS panel) Picture monitor                  | Cost effective 4K monitor with wide viewing angle.  | Suitable size for various applications: On-Set, Editing, Camera Control, PGM/PVW, Editing, etc.                                 |
| Versatility of video input and computer format           | 3G-SDI x 4, HDMI x 4, DisplayPort (x2). 24p, 25p, 30p, 50p, 60p. 12,10,8-bit RGB/YCrCb                                  | Maximize user flexibility for various production format.  |
| Single HDMI cable connection with PMW-F55                | Accept 4K 50/60p format   | Easy cabling for On-Set monitoring. Vertical line separation.   |
| DisplayPort (x2) connector. * Supported by V1.2 or later | For computer connectivity   | Supporting Business & Industry applications (eg. Industrial Design, visualizations systems, computer graphics, etc)             |
| SxS 4K Player (Option)                                   | Attachable unit at rear side. High speed memory media SxS PRO+. Support XAVC™4K and XAVC™ HD high-frame-rate recording. | Easy playback without external 4K player equipment. Clip operation by monitor's control panel. No hassle with wiring.           |
| Various display mode                                     | Supporting 2K/HD Zoom and Quad View Mode  | Enhance user applications with HD, 2K, 4K compatibility   |
| Smart Features   | Camera Focus assist mode, Auto White Adjustment (Supporting 10 colour probes), Stereo Speakers, VESA Mount.             | Fits user demand for various applications. Help camera focus operation for 4K signals. Quick and precise Auto White adjustment. |



# BKM-XP1

SxS 4K player option

The BKM-XP1 is a 4K SxS player option dedicated to the new 4K monitor the PVM-X300. The BKM-XP1 can be attached at the rear of the monitor so it becomes part of the unit.



| Market                                      | Applications  |
|---|---|
| 4K Digital cinema, Broadcast and industrial | Digital cinema Onset acquisition, back-up content on SxS card, Daily reviews, editing, etc. |

| Top Features                                | Advantages   | Benefits  |
|---|--|---|
| High speed SxS PRO+ and SxS PRO media cards | compact and fast media. SxS PRO+ recommended for 4K record/playback  | Available in 64GB and 128GB capacity for the SxS PRO+.                        |
| Play back XAVC 4K/HD contents.              | XAVC Intra 4096 × 2160, 23.98P/25P/29.97P/50P/59.94P<br>XAVC Intra 1920 × 1080, 23.98P/25P/29.97P/50P/59.94P | Record 10mn or 20 minutes of 4K XAVC intra 422 @60p, 25mn or 50 minutes @24p. |
| Friendly GUI with clip thumbnail function   | Direct access from the controller of monitor   | Simple and quick to playback clip contents.                                   |

## Service and Support

|                       |  |
|-----------------------|--|
| Prime Support package | 2 Years warranty, Repair within 7 days |
|-----------------------|--|

Availability: Now

# LMD-4251TD/2451TD

3D 42 & 24-inch High Grade LCD Monitors

The LMD-2451TD and LMD-4251TD are 24-inch and 42-inch 3D professional monitors. They are built on the same product concept as the well-known LMD-51W series. 3D effect is available through 3D passive glasses. An optional 3D board is available to support 2x HD-SDI inputs for left and right channel.



## Market

Broadcast, corporate, industrial, etc.

## Applications

Acquisition, Production OB Van, Studio, Editing, etc.

## Service and Support

Prime Support package

2 Years warranty, Repair within 7 days, loan unit over 7 days

Availability: Now

>>>

# LMD-4251TD/2451TD

3D 42 & 24-inch High Grade LCD Monitors

<<<

| Top Features                | Advantages  | Benefits   |
|-----------------------------|---|--|
| Professional monitor design | Faithful picture reproduction   | Trust what you see!<br>Picture confidence and reliability    |
| ChromaTRU and 10-bit driver | Excellent colour depth and precise gamma response   | High level of picture accuracy and consistency               |
| 3D Passive glasses          | Cheap, light , flicker free, brighter,  | Convenient for multiple viewers                              |
| Versatile chassis           | Robust, professional features and various I/O   | VESA mounting  |
| 2D compatibility            | Smooth migration to 3D  | Secured investment   |
| 3D features set (BKM-250TG) | Supported in 2D and 3D  | Checking of 3D effect  |
| Auto White Adjustment       | Free GUI software compatible with 10 of the most popular colour analysers: i1Pro, i1Pro2 (X-Rite), CA-210, CA-310, CS-200 (Konica Minolta), PM5639/06 (DK-Technologies), PR-655, PR-670 (Photo Research), K-10 (Klein Optical Instruments), Specbos1211(JETI) | Quick and simple adjustment.<br>Wide choice of colour probes |

# LMD-2341W/2041W/1541W/941W

23-inch, 20-inch, 15-inch and 9-inch  
High Grade LCD Professional Monitors

## LMD-2341W, LMD-2041W, LMD-1541W, LMD-941W

The LMD 41W series is expanding the Sony Professional Monitor range to cover various broadcast and professional applications. This high grade LMD series has been specifically designed to satisfy demand for integration in Digital Galleries with an all-in-one product concept. They also fit nicely in a wide range of applications as stand-alone monitors.



The latest model in the range is the LMD-941W. This monitor is the first monitor having a Full HD LCD panel resolution bringing sharper and crispy images. As for the PVM-741, this new monitor is equipped with new features set such as enhanced Waveform and Vectorscope, Colour camera focus, Time Code display and a new I/P mode selection for low video delay.

### Market

Broadcast, corporate, institutional

### Applications

Production gallery, editing, office viewing, studio, etc.

### Service and Support

Prime Support package

2 Years warranty, Repair within 7 days,  
loan units over 7 days

Availability: Now

>>>

# LMD-2341W/2041W/1541W/941W

23-inch, 20-inch, 15-inch and 9-inch

High Grade LCD Professional Monitors

<<<

| Top Features                | Advantages   | Benefits   |
|-----------------------------|--|--|
| Slim bezel chassis          | Space savings  | More units can be installed in a Gallery   |
| Metal chassis               | Robust   | Reliable, peace of mind  |
| All-in-one design           | Simple and fashionable design  | No extra cost, easy to use   |
| 3G/HD/SD SDI and HDMI input | Accept wide range of digital signals up to 1080p   | Cover various applications from Prosumer entry level up to high quality broadcast applications |
| Dynamic IMD, Tally control  | Automatic display of naming and Tally in a monitor wall  | Enhanced flexibility for users   |
| Auto White Adjustment       | Free GUI software compatible with 10 of the most popular colour analysers:<br>i1Pro, i1Pro2 (X-Rite), CA-210, CA-310, CS-200 (Konica Minolta), PM5639/06 (DK-Technologies), PR-655, PR-670 (Photo Research), K-10 (Klein Optical Instruments), Specbos1211(JETI) | Quick and simple adjustment.<br>Wide choice of colour probes                                   |
| Enhanced features set       | Waveform, vector scope (line, field and zoom), ALM, Time code, Colour Focus assist, etc  | Ideal for On-Set, field applications, others   |

# LMD-2110W/1510W/1530W

21.5- and 15-inch Entry LCD  
Professional Monitors

Cost effective professional monitoring solution for entry-level applications. Accurate video monitors for videographer, desktop editing or many other HD office viewing applications. It incorporates high-purity colour filters and a 10-bit digital signal processing engine to deliver stunning colour reproduction and natural grey scale.

The LMD-2110W and LMD-1510W are equipped with a cost effective TN LCD panel. Those monitors are appropriate for single viewer applications such as editing, office viewing, etc.

The LMD-1530W is equipped with an IPS LCD panel providing a much wider viewing angle. This model is suitable in digital galleries for multiple viewers.



## Market

Broadcast, videographer, corporate, education, government, security and medical, – Other B&I market segment

## Applications

Desktop video monitor for entry NLE, office viewing monitoring, local TV stations, Accurate video monitor for videographer, etc

## Service and Support

Prime Support package

2 Years warranty, Repair within 7 days, loan units over 7 days

Availability: Now

>>>

# LMD-2110W/1510W/1530W

21.5- and 15-inch Entry LCD

Professional Monitors

<<<

| Top Features   | Advantages  | Benefits  |
|--|---|---|
| LMD-2110W<br>21.5-inch LCD Full<br>HD video monitor<br>(1920x1080 pixels)<br><br>LMD-1510W<br>15.6-inch LCD video<br>monitor (1366x768<br>pixels)<br><br>LMD-1530W<br>15.3-inch LCD video<br>monitor(1280x768<br>pixels) | Video monitor<br>accuracy for entry level<br>applications | Cost effective video monitor<br>in the EUR 1k price range |
| Optional HD-SDI kit<br>(BKM-341HS)   | High quality picture<br>decoding                          | Enhanced flexibility with HD-<br>SDI input                |
| 10-bit processing  | Smooth colour<br>gradation                                | Accurate colour and smooth<br>transition                  |
| Professional<br>features   | Basic production<br>features                              | Reference monitor for Entry<br>level application          |
| HDMI input   | High quality future<br>proof A/V interface                | Compatible with DSLR and<br>Prosumer camcorders           |

# Professional Audio

## Introduction

### Key Messages

Sony has sold over 11,000 Channels of DWX Digital Wireless Audio Solutions since their introduction in 2008.

DWX Digital Wireless Audio Solutions are still the only full digital multi-channel systems on the market with a high reputation in all production areas, from ENG, Broadcast and Live, up to opera houses and theatres.

Audio frequencies are changing in most European countries and there are a lot of customers who will be looking for new systems.

Sony's key message is 'Move to Digital'. As customers look to upgrade their audio systems, it makes sense to buy into the latest digital technology with all its benefits.

Fully digital, high quality audio with stable RF, multi-channel operation and digital encryption are just some of the benefits of the Sony DWX Digital Wireless Audio Solutions.

Digital Wireless products include: the DWR-S02D slot-in receiver; the DWM-02 handheld microphone which offers an interchangeable capsule mechanism; the DWR-R02D rack mount receiver; and the Wireless Studio 3.0 software, which offers a lot of new functions and improvements, like the channel Plan Advisor and the Status Recorder.



# DWM-02

Digital wireless microphone with interchangeable heads

The DWM-02 is a handheld digital wireless microphone supporting interchangeable HAD/Capsule mechanism, WiDIF-HP and Cross Remote function. This microphone is suitable for live stage performances and other events, broadcast studios, halls, and theatre applications.

Compatible to all DWX transmitters with the same frequency range.



| Market                         | Applications                         |
|--------------------------------|--------------------------------------|
| Broadcast, Live, Studio, Radio | Live, Studio, OB Van, Theatre, Opera |

| Top Features                                | Advantages   | Benefits                                |
|---|--|---|
| Interchangeable head/capsule mechanism      | Use of different sounding microphone capsules                  | Usable for a wide range of applications |
| Ready to use for third party capsules/heads | Ready to use for 37 different capsules/heads (with Adapter)... | Artist can use his favourite microphone |
| Switching bandwidth: up to 72 MHz           | High acceptance by artists                                     | Easy handling                           |
| Output power: 50 mW/10 mW/1 mW              | High quality Audio transmission (24Bit/48KHz)                  | RF remote (Cross Remote)                |
| Quick open/close mechanism                  | Encrypted transmission   |   |

## Service and Support

|                         |  |
|-------------------------|--|
| Prime Support package 2 |  |
|-------------------------|--|

Availability: Now

# DWR-R02D

Digital wireless receiver

The DWR-R02D is a two-channel rack-mountable (1U-size) receiver that, as part of the DWX Series digital wireless microphone system, works seamlessly with Sony digital wireless transmitters and digital wireless microphones. The receiver operates with a wide bandwidth up to 72MHz, giving users a higher probability to find unoccupied frequencies in congested metropolitan areas.



| Market                         | Applications                         |
|--------------------------------|--------------------------------------|
| Broadcast, Live, Studio, Radio | Live, Studio, OB Van, Theatre, Opera |

| Top Features                              | Advantages   | Benefits                        |
|---|--|---------------------------------|
| AC powering: 100 V – 240 V                | World wide use with the new power supply               | Very flexible                   |
| DC powering: 12 V                         | Using for location work with 12V DC powering           | No noisy power generator needed |
| GND lift function for analogue BAL output | Eliminate ground-related noise                         | Easy setup                      |
| New UNBAL output                          | ATT for unbal outputs                                  | Direct use for guitar players   |
| Switching bandwidth: up to 72 MHz         | Up to 144 channels of simultaneous audio transmissions | Easy setup                      |

## Service and Support

|                         |  |
|-------------------------|--|
| Prime Support package 2 |  |
|-------------------------|--|

Availability: Now

# DWR-S02D

Digital wireless receiver

The DWR-S02D is a two-channel portable slot-in receiver for Sony camcorders that, as part of the DWX Series digital wireless microphone system, works seamlessly with Sony digital wireless transmitters, such as the DWT-B01/E, and digital wireless microphones, such as the DWM-02. The receiver operates with a wide bandwidth up to 72 MHz, three times the level available with previous models, giving users a higher probability of finding unoccupied frequencies in congested metropolitan areas.



| Market   | Applications                                 |
|--|--|
| News gathering, field production,<br>Documentary and sound recording | ENG, TV production Event<br>Production, Film |

| Top Features                            | Advantages   | Benefits  |
|---|--|---|
| Digital Wireless Operation              | Unique Sony Digital Wireless System  | Usable for a wide range of applications                       |
| Switching bandwidth: up to 72 MHz       | Up to 144 channels of simultaneous audio transmissions   | Easy setup  |
| Flexible Operation                      | Use on camcorder or in Mixer Bag (with DWA-Adapter)  | For rental companies, a very flexible product to maximise ROI |
| Top OLED display                        | Clear indication of status, easily viewed in mixer bag   | In dark situations, easily monitor battery-life/RF signal etc |
| Parallel 2Ch AES/EBU and 2 x XLR output | Totally digital path into the camera or mixer (with DWA-Adapter) with AES/EBU, no D/A conversion | Better sound quality flexible outputs                         |

## Service and Support

|                         |  |
|-------------------------|--|
| Prime Support package 2 |  |
|-------------------------|--|

Availability: Now

# DWA-F01D

## Wireless Slot-in Receiver Adaptor

The DWA-F01D is a wireless slot-in receiver adaptor for sound-mixer bag applications. This has been designed to integrate Sony DWR-S01D and DWR-S02D two-channel slot-in receivers into audio workflow for location sound acquisition. Typically a sound engineer would require two x 2ch receivers to acquire and mix on set or on location. The DWA-F01D also offers support for existing analogue WRR-855 single channel receivers.

The unit is also able to offer DWX Digital Wireless Audio Solutions for other camcorders which don't feature an integral slot-in feature.



### Market

Broadcast, ENG, LFP

### Applications

Location Sound, Camcorder Wireless Audio acquisition

>>>

# DWA-F01D

## Wireless Slot-in Receiver Adaptor

<<<

| Top Features                                  | Advantages  | Benefits  |
|---|---|---|
| Digital Wireless Operation                    | Unique Sony Digital Wireless System                                 | Superior sound quality, RF stability, encryption and control/monitoring of transmitters                             |
| Flexible Operation                            | Can be used on Camcorder or in Mixer Bag                            | For rental companies, a very flexible product to maximised ROI on DWX Digital Wireless Audio Solutions in the field |
| Flexible Power Operation                      | Use of DC, or NP-F battery power                                    | Can be powered in different ways. Uses low-cost NP-F series batteries   |
| Top OLED display                              | Clear indication of status, easily viewed in mixer bag              | In dark situations Sound Engineer can easily monitor battery-life/RF signal etc                                     |
| Parallel 2-channel AES/EBU and 2 x XLR output | Totally digital path into the mixer with AES/EBU, no D/A conversion | Better sound quality, flexible outputs  |

### Service and Support

|                       |  |
|-----------------------|--|
| Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------|--|

Availability: Now

# Wireless Studio 3.0

DWX Series digital wireless  
system control software

Wireless Studio 3.0 is a complete software package for controlling DWX Series receivers and wireless transmitter. It allows you to monitor and control a digital wireless system via a network. The digital wireless system can be accessed from up to six computers and allows you to set-up and initialise installation with up to 82 channels.

Wireless Studio 3.0 includes a channel plan adviser to help build a channel plan with channel scan to find co-existing channels with third party wireless systems. A status recorder records the RF levels and QLs and displays these in graphical form, allowing you to control your RF strength and quality rate over a long period of time.



| Top Features                            | Advantages  | Benefits   |
|---|---|--|
| Cross Remote                            | RF control for transmitter  |  |
| Channel Plan Advisor                    | Assist to determine channel plan with channel scan, known TV channel and other devices frequency  | Find coexist channel with other wireless systems                     |
| Status Recorder                         | Record RF Level and QL, and show on the graph these status  | Control your RF strength and Quality Rate over a long period of time |
| Hold AF peak level setting              | 1 sec hold / hold until released  | Better information about the peak level on transmitter input         |
| Receiver channel Label                  | Make user specified label on Status Viewer, Property List and Device List   | Show name of transmitter also in sleep mode                          |
| Configure setting of start up behaviour | Start up from EXE file "online"(automatically) or "offline"<br>Start up from dwl/dwl2 file : "Load settings then online" (automatically) or "offline" | Prevent from intervene during software/system recovering             |

Availability: Now

# ECM-MS2

Compact Electret condenser microphone

The compact 137-mm length of Sony's ECM-MS2 prevents inadvertent vignetting of the microphone when it is attached to a handheld professional camcorder such as the PMW-100. Also, this short length is convenient when packing and transporting the microphone with a compact camcorder.

The ECM-MS2 offers mono operation when stereo is not required, simply by cutting off the power supply to the right channel. This capability is useful when connecting, for example, a wireless microphone system on one channel while recording environmental sounds on the other channel. The microphone is therefore suited to applications such as news gathering and documentary shooting on location.

Professional quality is assured by XLR3P outputs which enable connection to professional camcorders for 48-volt phantom powering. The microphone's metal body also enhances audio performance by blocking vibration, resonance, and RF noises.



## Market

ENG, Videographer, BC

## Applications

Stereo microphone for camcorders

## Top Features

Short (137mm)  
Stereo microphone

## Advantages

There is no vignetting by the microphone in the camera view

## Benefits

Usable for a wide range of applications

Metal body

Stable construction

Wide range of applications

High Sound Quality

Supplied accessories

Wind shield

complete accessories

Fixed cable

Cannot be lost

Mono/stereo

Wide range of applications

Can be used together with a wireless system

## Service and Support

Prime Support package 2

Availability: Now

# ECM-FT5

Flat-shape Electret condenser  
lavalier microphone

As one variation of lavalier microphone, the ECM-FT5 flat shape microphone has come onto the market. This microphone's shape is designed to be easily hidden under clothing. Initially, the flat shape microphone was used for movie and TV drama production, where a microphone has to be hidden. It is now also used over the clothing in the same way as a typical cylindrical lavalier microphone, and can also be used for picking up instrument sound. Use of flat shape lavalier microphones are booming.



3 versions available: ECM-FT5BC with connector for DWX and WL-800 Series wireless system, ECM-FT5BMP for using with UEP Series wireless system and ECM-FT5B with XLR connector.

| Market                | Applications         |
|-----------------------|----------------------|
| ENG, Videographer, BC | Wireless transmitter |

| Top Features             | Advantages  | Benefits                                |
|--------------------------|---|---|
| Flat shape design        | The slim 4.9 mm profile is designed to be easily concealed under clothing.  | Usable for a wide range of applications |
| Metal body (Sony Unique) | Blocking unwanted vibration and resonance   | Can be attached underneath clothing     |
| Water-resistant design   | A moisture repellent screen covers the mic aperture   | No problem with sweat                   |
| Supplied accessories     | Tie clip used to attach the mic to clothing by clipping on a pocket. Taping mount used to attach mic directly to the fabric's surface | Complete set. No extra budget needed    |

## Service and Support

|                         |  |
|-------------------------|--|
| Prime Support package 2 |  |
|-------------------------|--|

Availability: Now



# ECM-CG50BP

## 3.5mm Stereo Jack Shotgun microphone

The ECM-CG50BP is an entry level super-cardioid directional shotgun microphone. The short shotgun, super-cardioid design enhances directional response and is ideal for clean recording of medium range sound sources. Ambient off-axis background noise is effectively rejected and only a narrow angle pick-up range directly in front is accepted. The 3.5mm stereo jack makes this an ideal microphone for the HVR-HD1000E or similar and is also perfect for use with a range of other camcorders or DSLR cameras.



| Market   | Applications                          |
|--|---------------------------------------|
| Documentary, Corporate, Event Videographer, Education, Budget Movie-Making | TV Production, Event Production, Film |

| Top Features                  | Advantages  | Benefits  |
|-------------------------------|---|---|
| 3.5mm Stereo Jack             | Compatibility with a wide range of camcorders   | Can be used with entry level camcorders as well as DSLR cameras   |
| Built-in Lowcut Filter        | The built-in low-cut filter is effective at reducing rumble from wind noise, vibration or air conditioning  | Enables clean recording of target sound, reducing the effect of exterior sources of noise   |
| Supplied Fluffy Wind Shield   | Greatly reduces wind noise and breath pops  | Ideal for outdoor use   |
| Shock-mount Microphone Holder | The shock mount holder included helps to reduce vibration noise when mounted on a camcorder   | Ideal for hand-held shooting in the field   |
| Flexible power options        | Phantom power is supplied from the microphone input jack of the compatible Sony camcorder. When used with a DSLR or incompatible camcorder AA batteries can be used | Can be used with a camcorder without the need for additional batteries, alternatively readily available AA batteries can be used giving approx 900 hours of power with a single battery |

# DWA-CU01NM

Head adaptor for DWM-02 digital wireless microphone

The DWA-CU01NM is an adaptor to mount third party capsule head on the DWM-02 digital wireless microphone.



## Market

Broadcast, Live, Studio, Radio

## Applications

Studio, OB, Theatre, Opera, Live

## Top Features

Adaptor to allow changeable head/capsule

## Advantages

Allows the use of 10 third party capsule heads on the DWM-02 handheld microphone

## Benefits

Customer can use their preferred capsule

Availability: May 2013

# Live Production

## Introduction

### Key Messages

This years IBC shows again the market leadership of Sony in the Live Production domain with the reinforcement of the current solution offerings. Best picture quality, highest durability and operator acceptance are all supporting our customers to save operational cost and generate more revenue.

At the centre of our live production area we will show new developments for 4K live production. These include the new PWS-4000 server and a 4K stitching / telestration solution. The MVS-7000X will also be shown integrated with the PMW-F55 with a live studio fibre adaptor, third party graphics system the 4K server and 4K monitors to show a complete 4K production system.

The successful HDC-2000 Series featuring 3G, 2x Slow Motion, Ethernet Trunk Line and a very durable Carbon Body, is showing its versatility using the exchangeable side covers to provide integration with 3rd Party Wireless Vendors and even 50p Digital Triax Transmission. Following the very successful introduction of the HDC-1700, Sony will also expand its compatibility to all HDC series, to allow our customers to maximise their use.

A new range of fibre and triax adapters will be shown, suitable to mount on the back of our PMW-320/350/400/500 camcorders or on the multicore studio camera (HXC-D70). This enables a cost effective cabling installation using Fibre or where Triax is pre-installed - perfect for applications like ENG, local TV News, Event and Media Schools.

Another highlight of the live production area is the new Anycast Touch Switcher, successor to the world famous Anycast Station. This new all-in-one switcher, will present a very unique operation style with two touch screens offering a new and very intuitive user interface. This has been designed not only to offer an easy to use video production system but one which can provide a sophisticated on-air look. It features everything needed by event & corporate productions, such as Video + Audio mixing, streaming, titling, recording and video playback.

>>>

# Live Production

## Introduction

Together with the new Anycast Touch we will showcase our range of remote PTZ cameras, the BRC series. One new feature is the IP based remote protocol allowing a user to control over 100 cameras from a single IP based control panel.

Since the introduction of the new affordable MVS-3000 & MVS-6500 series at IBC last year, we will show further development of this product line with new software features, additional multi-viewer layouts and a new 16 button control panel for the MVS-3000 system. The MVS-6530 is also shown together with the ELC automation system.

The MVS-7000X series also goes from strength to strength and not only will we show this in 4K mode but will also demonstrate the latest software developments including aux bus mixing in standard HD mode.

We are also showing the NXL-IP55, Sony's IP Live Production System, announced at IBC. This system is capable of transmitting 4 video+audio signals in broadcast quality plus genlock at ultra low latency over Ethernet. Successfully tested by our customers since IBC, it has already proven its benefits in terms of connecting distant sites by IP link and providing high return on investment for Broadcasters using this system. An enhancement to the IP55, the new IP Live Manager PC software will allow users to configure and monitor multiple NXL-IP55's over the same network, as well as viewing the video streams. This is useful for commentator monitoring or for any other location that requires a view of the transmitted images and is available just by connecting a PC to the IP network.

As a technology demonstration we show an HD cut-out of 2x 4K cameras stitched together. This could enable further cost reduction in the future by fixed camera installation and remote control of this full-HD cut-out. You'll also see demonstration of 4K OLED TV's, that will further enhance viewers experience at home!

# Anycast Touch AWS-750

Live Content Producer

The Anycast Touch the ultra-portable and easy to use all-in-one live production solution offering optimal flexibility and the highest quality. Intuitive Touch Panel Operation. It has 1 M/E, SD/HD mix operation, 4 key + 2 logo, 2 PinP, 6 video inputs, 5 video outputs, 6 audio inputs, 3 audio outputs, recorder, titler, BRC camera controller, streaming encoder.



| Market  | Applications                          |
|---|---------------------------------------|
| Corporate, Government, Educational, Events management companies | Live production, Streaming, Recording |

| Top Features                        | Advantages  | Benefits                             |
|-------------------------------------|---|--------------------------------------|
| Innovative Operation Style          | Intuitive Touch Panel Operation. No technical background or switching/ live production experience necessary   | Easy to use                          |
| Variety of input and output formats | Can support HD/SD SDI, HDMI, D sub 15pin, Composit video as well as mic, line, embedded, balanced & unbalanced audio connectivity.  | No need for external convertor cards |
| Stylish Cosmetic Design             | Smart slide open design. Slim, compact and portable   | Ultra portable, stylish              |
| All-in-One Solution                 | Includes Video Switcher, Audio Mixer, Streaming, Recorder, Titler, BRC Control. Seamless switching between Camera, PC & Video sources (incl audio). Instant real time streaming over the internet, LAN, other dedicated lines, Remote camera control, Add still text to any picture, or use wipe and/or dissolve effects, Record. | Multi Function                       |

Availability: Now

# CA-4000

## Camera System Adaptor

The CA-4000 is a fibre camera adapter for the PMW-F55 enabling 4K transmission over standard SMPTE Fibre cables to the Baseband Processor Unit BPU-4000.



### Market

High-End Public & Private Broadcasters, Production Studios & OB-VAN Companies, Drama/ Movie/CM

### Applications

4K/HD OB Productions  
4K/HD Studio Productions

| Top Features                      | Advantages  | Benefits  |
|-----------------------------------|---|---|
| 4K fibre transmission for PMW-F55 | Full 4K picture quality over standard SMPTE fibre cables up to 2km  | Highest picture quality in Studio operations such as Drama Productions or Music Concerts and OB-VAN operation like Sports |
| Remote Camera Operation           | Full system functions including camera power supply, Intercom, Tally, large Viewfinder support when used together with HDCU-2000/2500 | Beneficial for multi camera operation and possible reuse of existing HDCU-2000/2500                                       |
| Power Boost Unit is available     | SKC-PB40 can be fitted to CA-4000 to be able to supply 12V DC and 24 V DC max 120W output   | No separate power line is required for BOX lens, Teleprompter   |

Availability: December 2013

# BPU-4000

Base band processor unit

The BPU-4000 is a Baseband Processor Unit to use with the CA-4000 for the PMW-F55 enabling 4K transmission over standard SMPTE Fibre cables.



| Market   | Applications                                     |
|--|--|
| High-End Public & Private Broadcasters, Production Studios & OB-VAN Companies, Drama/ Movie/CM | 4K/HD OB Productions<br>4K/HD Studio Productions |

| Top Features                      | Advantages  | Benefits  |
|-----------------------------------|---|---|
| 4k fibre transmission for PMW-F55 | Full 4K picture quality over standard SMPTE fibre cables up to 2km  | Highest picture quality in Studio operations such as Drama Productions or Music Concerts and OB-VAN operation like Sports |
| Remote Camera Operation           | Full system functions including camera power supply, Intercom, Tally, large Viewfinder support when used together with HDCU-2000/2500 | Beneficial for multi camera operation and possible reuse of existing HDCU-2000/2500                                       |
| 4k for HD production              | HD 200p HFR slowmotion<br>HD Cut -out by fixed potion shooting  | New image value creation<br>Cost reduction  |

Availability: December 2013

# LA-FZB2

## Mount Adaptor

Optical Magnify Adapter from B4 mount to FZ mount



| Market   | Applications                                     |
|--|--|
| High-End Public & Private Broadcasters, Production Studios & OB-VAN Companies, Drama/ Movie/CM | 4K/HD OB Productions<br>4K/HD Studio Productions |

| Top Features  | Advantages   | Benefits   |
|---|--|--|
| Convert lens mount format from B4 to FZ including 12pin B4 lens connector | Enable to use existing HD lens including HD BOX lens for Sports shooting | Operation cost reduction to utilise exiting lens aseet. BOX lens is only available by B4 mount |
| Small and light weight  | W91mm x H173.4mm x D96mm, 1Kg  | Easy to handling. Keep good operational weight balance   |
| ND/CC motorized filter disks integrated                                   | Be able to change ND and CC filter remotely                              | Same RCP/MSU operation system as current Live HDC cameras                                      |

Availability: October 2013



# HDC-2570

Portable HD System Camera with  
digital triax transmission system

2/3-inch portable HD system camera with digital triax transmission with full bandwidth for transmitting a 108/50P or 59.94P or a 2xSloMo signal to the CCU.



## Market

Broadcast Production (OB Van and Studio)

## Applications

All broadcast productions (sports, entertainment, etc.)

## Service and Support

PrimeSupport Pack2

Prime Support package: Basic package, 2 years warranty, helpdesk front line

Availability: Now

>>>

# HDC-2570

Portable HD System Camera with  
digital triax transmission system

<<<

| Top Features  | Advantages  | Benefits   |
|---|---|--|
| High quality digital signal transmission over conventional triax cable  | Existing triax infrastructure can be used (eg. pre-wired arenas, buildings etc...)  | No need to install additional cables, conventional triax cables are inexpensive  |
| Flexibility to use 3G fibre transmission (optional) or wireless transmission (optional) by exchanging the sidecover             | HKC-FB20 (3G fibre transmission) and third party wireless systems can easily be added to ensure transmission flexibility  | The camera can be used in various environments and the investment is future proof  |
| Supports 1080i and 720P formats as a standard   | All current HDTV frame rates are supported as a standard and can be used by simply pressing a button  | No further upgrade costs, multi-flexible use in wide variety of environments. Ideal choice for rental companies  |
| Optional frame rates:<br>1080PsF (25 and 29.94P) 2xSloMo (1080/100i or 720/100P)  | 2xSloMo signal and normal HDTV signal is available in parallel at the output of the CCU.  | The camera can replace a SuperMotion camera plus a normal speed camera w/o extra cost  |
| 2/3"-POWER HAD FX sensor technology with 16-bit A/D-conversion and dual filter wheel with separate control of ND and CC filters | Separate filter control for neutral density (incoming light) and colour temperature. Fine choice of exposure control by ND filters, to control depth-of-field. Adjusting colour temperature of ambient light by using CC-filters                | Even shallow depth-of-field control is possible by using the ND filters. No increase in noise under high colour temperature conditions due to the use of CC filters. |
| Full feature part of the HDC-2500 series with full compatibility  | HDC-2570 is a full feature part of the new HDC-2500 series and as such can compatibly use all the accessory items (viewfinders, Large Lens Adaptors, remote control panels...). Furthermore, cross compatibility to HDC-1500 series is assured. | Customer can mix new and older equipment (important for rental companies). Unique performance level throughout the camera series is assured.                         |

# HDTX-200 + HDFX-200

Digital triax to fibre/fibre to digital triax converters for HDC-system camera line up (HDC-1500 and HDC-2500)

HDTX-200 (fibre to digital triax converter/ camera side) and HDFX-200 (digital triax to fibre converter/ CCU side) to be used in combination with HDC-camera series to allow triax transmission technology.



## Market

Broadcast Production (OB Van and Studio)

## Applications

All broadcast productions (sports, entertainment, etc.)

## Top Features

Digital triax transmission with full bandwidth for a 1080P signal

## Advantages

Existing Triax infrastructure can be used even in combination with a fibre system camera

## Benefits

No performance loss over long cable extensions (as is encountered by analogue triax transmission) and freedom to choose multiple frame rates over triax (e.g.: 1080P, 1080P-2x-SloMo)

HDTX-200 comes delivered in a compact and water resistant case with power supply thru the triax cable

HDTX-200 can flexibly be used even in harsh environmental conditions. No extra power line to be used

Easy to setup in the field, less cabling

HDFX-200 is equipped with a fibre and triax connector so that it can be externally switched via software if triax or fibre transmission is used

HDFX-200 can always stay connected within the rack, no matter if fibre or triax transmission is used

Easy cabling and instant switching from Fibre to Triax mode

Triax cable extension is 1400m (between HDTX-200 and HDFX-200)

Long cable extension incl. Power to the camera head

Even huge distances can be covered by triax cable

Availability: Now

[view more online >](#)

[channel partners only >](#)  
you must be logged in

# HKC-TR27

Exchangeable Side Cover for HDC-2500 series (digital triax transmission)

Exchangeable Side Cover for HDC-2500 series (digital triax transmission) to be used in combination with HDFX-200 and HDCU-2500/-2000. Full bandwidth on the triax cable to allow 1080P signals to be transmitted to the CCU.



| Market                                   | Applications  |
|--|---|
| Broadcast Production (OB Van and Studio) | All broadcast productions (sports, entertainment, etc.) |

| Top Features  | Advantages  | Benefits   |
|---|---|--|
| Digital triax transmission with full bandwidth for a 1080P signal | Existing Triax infrastructure can be used, no need to utilize an external HDTX-200 converter                                      | No performance loss over long cable extensions (as is encountered by analog triax transmission) and freedom to chose multiple frame rates over triax (e.g.: 1080P, 1080P-2x-SloMo) |
| Exchangeable Side Cover Technology                                | Easy to exchange the transmission path: 3G fibre (HKC-FB20) to analog triax (HKC-TR20) or Wireless Side Cover (by BMS or Vislink) | Flexible camera usage for all kind of production applications. Quickly changing the transmission methode without loosing the weight balance on the shoulder                        |
| Ethernet trunk line available                                     | Ethernet signals can be sent between camera head and CCU  | Via an ethernet signal, external devices can be remotely controlled without drawing external cables (e.g. Remote Camera Head control)  |

## Service and Support

|                    |   |
|--------------------|---|
| PrimeSupport Pack2 | Prime Support package: Basic package, 2 years warranty, helpdesk front line |
|--------------------|---|

Availability: Now

# HDC-1700

Portable digital HD System Camera with  
16-bit A/D conversion and Fibre Transmission

New cost-effective portable system camera with fibre transmission to CCU. The camera includes three high resolution 2/3-Inch POWER HAD-FX CCDs with native 1920x1080 resolution and supports 1080/50i + 59.94i and 720/50P + 59.94P frame rates. Along with the 16-bit A/D conversion and the new DSP the camera ensures a very high picture quality level with superb SNR and sensitivity. The new DSP provides the latest feature set for high quality program production (eg. ALAC-2, Adaptive Matrix, Digital Lever etc). Almost all accessory items of the HDC series can compatibly be used for the new HDC-1700 (ie. HDVF-viewfinders, HDLA- Lens supporters, RCP- Remote Panels, MSU- Master Setup Units and HKC-T1500 CCD Block Extension Adaptor).



| Market   | Applications                                    |
|--|---|
| Broadcast Production Market<br>(Studio & OB-Van) | Live Production<br>(Sport, Show, Entertainment) |

| Service and Support |   |
|---------------------|---|
| PrimeSupport Pack2  | Prime Support package: Basic<br>package, 2 years warranty, helpdesk<br>front line |

Availability: Now

>>>

# HDC-1700

Portable digital HD System Camera with  
16-bit A/D conversion and Fibre Transmission

<<<

| Top Features   | Advantages  | Benefits   |
|--|---|--|
| Transmission compatibility to HDCU-1000/1500/2000/2500 and HDFX-/HDTX-100 and 200                                    | With firmware version V1.45 the HDC-1700 will be fully compatible to be used in combination with HDCU-1000/-1500 and HDCU-2000/-2500  | Use this new entry level HDC-camera in combination with other HDC-cameras. Easy to extend existing camera park, easy to loan additional camera units   |
| High quality digital signal transmission over SMPTE fibre cable (incl. power to the camera head) with 1.5G bandwidth | The HDTV video signal will be transmitted natively (w/o any compression) to the output of the CCU. Power to the camera head is supplied   | High quality output from CCU, no additional cabling for power to the camera, long cable extensions (2000m if connected to HDCU-1700, depending on the individual camera configuration)                   |
| SMPTE fibre hybrid cable with LEMO connectors  | Standardized cable technology is used, which has already proven its reliability in the field. Fibre cables are lightweight, flexible (8.5mm) and ubiquitous in the broadcast industry | Cables are easily available and price is going down. More cables can be stored on the OB-van (or same cable lengths like triax, but half the weight compared to 14.5mm triax cables)                     |
| A new optional SW-Update will allow even 1080/50P & 59.94P transmission  | All current and future HDTV production formats are supported as a standard feature. 24P, 25P, 30P can easily be added by software module  | HDTV productions are possible anywhere in the world without extra cost (50Hz and 60Hz countries). Film-like productions can be supported by installing a SW key for 1080PsF frame rates (= future-proof) |
| 2/3"-POWER HAD-FX sensor technology with 16-bit A/D conversion   | High SNR and sensitivity and full digital signal processing for optimal picture quality and enhanced black reproduction.  | All HDC-cameras feature a unique, high-level performance. So different camera models can easily be matched and used together   |
| Integral part of the Sony HDC-family   | All accessory items (viewfinders, Large Lens Adaptors, Remote Panels...) can compatibly be used   | Wide variety of applications. Accessories are easily accessible by the rental market   |

# HZC-PRV17

Software Update for HDC-1700 for  
3G transmission over fibre cable

Software Update for HDC-1700 for  
3G transmission over fibre cable  
to support full 1080P progressive  
frame rates



| Market                                   | Applications  |
|--|---|
| Broadcast Production (OB Van and Studio) | All broadcast productions (sports, entertainment, etc.) |

| Top feature  | Advantage   | Benefit                              |
|--|---|--------------------------------------|
| Easy to install SW upgrade for HDC-1700 to support 1080P frame rates | HDC-1700 can be utilized in a full progressive shooting environment | future proof investment for HDC-1700 |

## Service and Support

|                             |  |
|-----------------------------|--|
| Basic Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------------|--|

Availability: December 2013

>>>

# HDC-3300R/1 & HDCU-3300R/1

3x SuperMotion full progressive HD system camera

2/3-Inch portable 3x full progressive SuperMotion system camera with compatibility to the existing HDC-camera series.

| Market                                   | Applications  |
|--|---|
| Broadcast Production (OB Van and Studio) | All broadcast productions (sports, entertainment, etc.) for SuperMotion |

## Service and Support

|                             |  |
|-----------------------------|--|
| Basic Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------------|--|

Availability: Now

| Top features                                       | Advantages   | Benefits   |
|--|--|--|
| 3x frame rate even in full progressive mode (150P) | Accurate reproduction of fast moving objects   | Movement analysis in sports is possible  |
| 16-bit A/D conversion                              | Precise reproduction of the gamma curve  | Good highlight and lowlight reproduction, wide dynamic range, natural color reproduction             |
| 10 Gbps bandwidth on the fibre cable               | 3x SuperMotion signals can be transmitted w/o any loss on the SMPTE fibre cable  | high resolution picture quality at the output of the CCU (HDCU-3300R/1)                              |
| Flicker reduction                                  | Elimination of flickering under tungsten light condition   | Improved picture quality when shooting with artificial light.  |
| 2/3-Inch Power HAD FX CCDs (3x)                    | High SNR and sensitivity 2/3-Inch industry standard for lenses very good reproduction in lowlight areas artefact-free picture (no rolling shutter, no flash bounce effect) | High performance and noise free picture no artefacts in the picture impressive lowlight reproduction |



# HDC-2000W/B

High-End digital HD System Camera (Studio Head) with  
16-bit A/D conversion and 3G Fibre Transmission

New high-end studio camera with 3G fibre transmission to CCU. The camera includes three newly developed high resolution 2/3-Inch POWER HAD-FX CCDs with native 1920x1080 resolution and offers multiple frame rate support: 1080/50i + 59.94i; 720/50P + 59.94P; 1080/23.98, 24, 25, 29.97 PsF, 1080/50P + 59.94P, 1080i-RGB with 12-bit, 2x SloMotion. Along with the 16-bit A/D conversion and the new DSP the camera ensures a very high picture quality level with superb SNR and sensitivity. All



frame rates can be transmitted via 3G fibre cable natively, without using any compression. The new DSP provides the latest feature set for high quality program production (eg. ALAC-2, Adaptive Matrix, OPAC, Digital Lever etc). All accessory items of the previous HDC-1500-series can compatibly been used for the new HDC-2000-series (ie. HDVF-viewfinders, HDLA- Lens supporters, RCP- Remote Panels, MSU- Master Setup Units and HKC-T1500 CCD Block Extension Adaptor). The HDC-2500-series can compatibly used in combination with previous HDC-1500-series and v.v.

## Market

Broadcast Production Market  
(Studio- and OB-Productions)

## Applications

HDTV Productions

## Service and Support

Prime Support package

Basic package, 2 years warranty,  
helpdesk front line

Availability: Now

>>>

# HDC-2000W/B

High-End digital HD System Camera (Studio Head) with  
16-bit A/D conversion and 3G Fibre Transmission

<<<

| Top Features                                   | Advantages  | Benefits   |
|--|---|--|
| 2/3-Inch<br>POWER HAD<br>FX CCDs (3x)          | High SNR and sensitivity<br>2/3-Inch industry standard<br>for lenses very good<br>reproduction in lowlight<br>areas artefact-free picture<br>(no rolling shutter, no flash<br>bounce effect)  | High performance and noise<br>free picture no artefacts in the<br>picture impressive lowlight<br>reproduction  |
| 16-bit A/D<br>Conversion                       | Full digital signal<br>processing fine resolution<br>of gamma curve   | Stable camera performance<br>high quality reproduction of<br>critical lowlight and highlight<br>area   |
| New DSP<br>(Digital Signal<br>Processing)      | Low power consumption<br>new key-features included  | Less heat and low power<br>consumption ALAC-2 function<br>OPAC function Adaptive<br>Matrix function Digital Lever<br>information in viewfinder   |
| Multiple<br>Frame rate<br>Support              | All frame rates are covered<br>natively 1080/50P and<br>60P signal available from<br>camera head & CCU<br>2x SloMo frame rate is<br>included as standard high<br>quality 1080i-RGB-12-bit<br>signal transmission one<br>camera for all applications | Equipment can be used on<br>a worldwide basis (eg. rental<br>market). All current and future<br>HDTV frame rates are covered<br>2x SloMo is available parallel to<br>standard 1080i or 720P output   |
| Fibre<br>transmission<br>(Cam Head<br>to CCU)  | Uncompressed signal<br>transmission max. 4000m<br>cable extension (including.<br>Power to cam head) flexible<br>and lightweight cabling   | High picture quality at output of<br>CCU without any degradation due<br>to compression or cable lengths<br>high reliability and low weight<br>long cable extensions (Golf,<br>Formula-1...) SMPTE fibre is the<br>standard in the industry |
| Full<br>compatibility<br>to HDC-1500<br>Series | High resolution viewfinders<br>in colour and monochrome<br>are available Large lens<br>supporters are available a<br>wide variety of RCPs and<br>MSUs are available cross<br>compatibility to HDC-1500<br>Series/HDCU-1500 Series                   | Customers can tailor their<br>equipment according to their<br>needs and budget already<br>existing accessories can be<br>used (rental market) no training<br>required for vision engineers   |

# HDC-2400/DF

Portable High-End digital HD System  
Camera with 16-bit A/D conversion  
and 3G Fibre Transmission

New high-end portable system camera with 3G fibre transmission to CCU. The camera includes three newly developed high resolution 2/3-Inch POWER HAD-FX CCDs with native 1920x1080 resolution and offers the standard HDTV frame rates: 1080/50i + 59.94i; 720/50P + 59.94P (1080PsF, 2x SloMo, 1080/50P & 59.94P and 1080i-RGB framerates are available as an option). Along with the 16-bit A/D conversion and the new DSP the camera ensures a very high

picture quality level with superb SNR and sensitivity. All frame rates can be transmitted via 3G fibre cable natively, without using any compression. The new DSP provides the latest feature set for high quality program production (eg. ALAC-2, Adaptive Matrix, OPAC, Digital Lever etc). All accessory items of the previous HDC-1500-series can compatibly been used for the new HDC-2400-series (ie. HDVF-viewfinders, HDLA- Lens supporters, RCP- Remote Panels, MSU- Master Setup Units and HKC-T1500 CCD Block Extension Adaptor). The HDC-2400-series can compatibly used in combination with previous HDC-1500-series and v.v.



## Market

Broadcast Production Market  
(Studio- and OB-Productions)

## Applications

HDTV Productions

## Service and Support

Prime Support package

Basic package, 2 years warranty,  
helpdesk front line

Availability: Now

>>>

# HDC-2400/DF

Portable High-End digital HD System  
Camera with 16-bit A/D conversion  
and 3G Fibre Transmission

<<<

| Top Features  | Advantages  | Benefits   |
|---|---|--|
| 2/3-Inch POWER HAD FX CCDs (3x)   | High SNR and sensitivity 2/3-Inch industry standard for lenses very good reproduction in lowlight areas artefact-free picture   | High performance and noise free picture no artefacts in the picture impressive lowlight reproduction   |
| 16-bit A/D Conversion   | Full digital signal processing fine resolution of gamma curve   | Stable camera performance high quality reproduction of critical lowlight and highlight area  |
| New DSP (Digital Signal Processing)   | Low power consumption new key-features included   | Less heat and low power consumption ALAC-2 function OPAC function Adaptive Matrix function Digital Lever information in viewfinder   |
| HDC-2400: Single Filter Wheel (ND only) HDC-2400DF: Dual filter wheel (ND and CC) | Cost-effective HDC-2400 model with ND filters HDC-2400DF offers dual filter wheel operation   | Customer can select the model according to his budget  |
| Fibre transmission (Cam Head to CCU)  | Uncompressed signal transmission max. 4000m cable extension (incl. Power to cam head) flexible and lightweight cabling  | High picture quality at output of CCU without any degradation due to compression or cable lengths high reliability and low weight long cable extensions. SMPTE fibre is the standard in the industry |
| Full compatibility to HDC-1500-series   | High resolution viewfinders in colour and monochrome are available Large lens supporters are available a wide variety of RCPs and MSUs are available cross compatibility to HDC-1500-series/ HDCU-1500 Series | Customers can tailor their equipment according to their needs and budget already existing accessories can be used (rental market) no training required for vision engineers                          |

# HDC-2500

Portable High-End digital HD System  
Camera with 16-bit A/D conversion  
and 3G Fibre Transmission

New high-end portable system camera with 3G fibre transmission to CCU. The camera includes three newly developed high resolution 2/3-Inch POWER HAD-FX CCDs with native 1920x1080 resolution and offers multiple frame rate support: 1080/50i + 59.94i; 720/50P + 59.94P; 1080/23.98, 24, 25, 29.97 PsF, 1080/50P + 59.94P, 1080i-RGB with 12-bit, 2x SloMotion. Along with the 16-bit A/D conversion and the new DSP the camera ensures a very high picture quality level with superb

SNR and sensitivity. All frame rates can be transmitted via 3G fibre cable natively, without using any compression. The new DSP provides the latest feature set for high quality program production (eg. ALAC-2, Adaptive Matrix, OPAC, Digital Lever etc). All accessory items of the previous HDC-1500 Series can compatibly been used for the new HDC-2500 Series (ie. HDVF-viewfinders, HDLA- Lens supporters, RCP- Remote Panels, MSU- Master Setup Units and HKC-T1500 CCD Block Extension Adaptor). The HDC-2500 Series can compatibly used in combination with previous HDC-1500 Series and v.v.



## Market

Broadcast Production Market  
(Studio- and OB-Productions)

## Applications

HDTV Productions

## Service and Support

Prime Support package

Basic package, 2 years warranty,  
helpdesk front line

Availability: Now

>>>

# HDC-2500

Portable High-End digital HD System  
Camera with 16-bit A/D conversion  
and 3G Fibre Transmission

<<<

| Top Features                                   | Advantages   | Benefits   |
|--|--|--|
| 2/3-Inch<br>POWER HAD<br>FX CCDs (3x)          | High SNR and sensitivity<br>2/3-Inch industry<br>standard for lenses very<br>good reproduction in<br>lowlight areas artefact-<br>free picture (no rolling<br>shutter, no flash bounce<br>effect)         | High performance and noise free<br>picture no artefacts in the picture<br>impressive lowlight reproduction   |
| 16-bit A/D<br>Conversion                       | Full digital signal<br>processing fine resolution<br>of gamma curve  | Stable camera performance high<br>quality reproduction of critical<br>lowlight and highlight area  |
| New DSP<br>(Digital Signal<br>Processing)      | Low power consumption<br>new key-features included   | Less heat and low power<br>consumption ALAC-2 function<br>OPAC function Adaptive Matrix<br>function Digital Lever information<br>in viewfinder   |
| Multiple<br>Frame rate<br>Support              | All frame rates are covered<br>natively 1080/50P and<br>60P signal available from<br>camera head & CCU<br>2x SloMo frame rate is<br>included as standard   | Equipment can be used on<br>a worldwide basis (eg. rental<br>market). All current and future<br>HDTV frame rates are covered<br>2x SloMo is available parallel to<br>standard 1080i or 720P output                   |
| Fibre<br>transmission<br>(Cam Head to<br>CCU)  | Uncompressed signal<br>transmission max. 4000m<br>cable extension (incl.<br>Power to cam head)<br>flexible and lightweight<br>cabling  | High picture quality at output<br>of CCU without any degration<br>due to compression or cable<br>lengths high reliability and low<br>weight long cable extensions.<br>SMPTE fibre is the standard in<br>the industry |
| Full<br>compatibility<br>to HDC-1500<br>Series | High resolution viewfinders<br>in colour and monochrome.<br>Large lens supporters for<br>a wide variety of RCPs and<br>MSUs are available cross<br>compatibility to HDC-1500-<br>Series/HDCU-1500 Series | Customers can tailor their<br>equipment according to their<br>needs and budget already<br>existing accessories can be<br>used (rental market)no training<br>required for vision engineers                            |

# HSC-300R/RF

## HD Portable Studio Camera

Portable Studio Camera with Sony exclusive Digital Triax (R) or Optical Fibre (RF) transmission.

Includes the latest Sony CCD sensors, 16bits A/D converters and advanced DSP. Extraordinary picture quality with -60dB of native S/N ratio.

Apart from 1080/50i and 720/50p (and 59.94Hz too), HZC-PSF3 option provides support 25PsF for film look productions.

Dual optical servo filter wheels (ND & CC) and compatible with HDLA Large Lens adapters. Compatible with a wide range of system camera accessories (RCP, MSU, HDVF).

Digital transmission up to 1800m with 14.5mm triax or 2000m with hybrid Optical Fibre (including power supply).

Advance functions like Digital Extender, Adaptive Matrix and ALAC2 for H and V lens chromatic aberration compensation.

12Vdc/2.5A output for powering accessories like a teleprompter.



### Market

Broadcasters, production companies, rental companies

### Applications

HD TV productions, both in studio and OB Van. TV movies and series thanks to optional 25psf support

### Service and Support

Basic Prime Support package 2 Years Warranty, Helpdesk front line

Availability: End October 2013

>>>

# HSC-300R/RF

HD Portable Studio Camera

<<<

| Top features  | Advantages  | Benefits   |
|---|---|--|
| The best price/picture quality ratio  | No compromise in picture quality at a very affordable price                 | In budget solution even for top end TV programs  |
| 2/3"-Power HAD-FX sensor technology with 16-bit A/D conversion                            | Perfect match with our highest range of studio cameras                      | No worries when facing the most demanding productions  |
| Long distance Digital Triax or Optical Fibre transmission                                 | Sony unique digital transmission over standard triax cable or optical fibre | Free to decide if using traditional triax cable or optical fibre.  |
| Apart from 1080/50i/59.94i and 720/50P/59.94P, can optionally support 1080/25PsF/29.97PsF | Wide variety of video formats are available                                 | Apart from mainstream TV programs, it is also usable for TV dramas and series thanks to PsF formats available as option. Universal product                         |
| Fully compatible with HDLA, RCP, MSU and HDVFs  | Benefit from the wide range of Sony system camera accessories               | Can be used with large box type lenses with the easy to attach Sony HDLA adapters. Compatible with all HDVF viewfinders, including 7" OLED and RCP control panels. |



# HSC-100R/RF

## HD Portable Studio Camera

Portable Studio Camera with Sony exclusive Digital Triax (R) or Optical Fibre (RF) transmission.

Includes the latest Sony CCD sensors, 16bits A/D converters and advanced DSP. Extraordinary picture quality with -60dB of native S/N ratio.

Apart from 1080/50i and 720/50p (and 59.94Hz too), HZC-PSF3 option provides support of 25PsF for film look productions.

ND optical filter wheel. Wide range of system camera accesories (RCP, MSU, HDVF).

Digital transmission up to 1200m with 14.5mm triax or 2000m with hybrid Optical Fibre (including power supply).

Advance functions like Digital Extender, Adaptive Matrix and ALAC2 for H and V lens chromatic aberration compensation.

12Vdc/2.5A output for powering accesories like a teleprompter.



### Market

Broadcasters, production companies, rental companies

### Applications

HD TV productions, both in studio and OB Van. TV movies and series thanks to 25psf.

### Service and Support

Basic Prime Support package | 2 Years Warranty, Helpdesk front line

Availability: End October 2013

>>>

# HSC-100R/RF

## HD Portable Studio Camera

<<<

| Top features  | Advantages  | Benefits  |
|---|---|---|
| The best price/picture quality ratio  | No compromise in picture quality at a very affordable price                 | In budget solution even for top end TV programs   |
| 2/3"-Power HAD-FX sensor technology with 16-bit A/D conversion                            | Perfect match with our highest range of studio cameras                      | No worries when facing the most demanding productions   |
| Long distance Digital Triax or Optical Fibre transmission                                 | Sony unique digital transmission over standard triax cable or optical fibre | Free to decide if using traditional triax cable or optical fibre.   |
| Apart from 1080/50i/59.94i and 720/50P/59.94P, can optionally support 1080/25Psf/29.97PsF | Wide variety of video format is available                                   | Apart from mainstream TV programs, they are also usable for TV dramas and series thanks to PsF formats available as option. Universal model |
| Fully compatible with RCP, MSU and HDVFs  | Benefit from the wide range of Sony system camera accessories               | Can use the same HDVF viewfinders, including the 7" OLED, and RCP control panels as with the rest of Sony studio cameras.                   |

# HSCU-300R/RF

HD Camera Control Unit, Triax (R) or Optical Fibre (RF)

HD Camera Control Unit for the HSC family. Version in Digital Triax (R) is compatible with HSC-100R and HSC-300R, and cross compatible with HXC-100 and HSC-300. With 14mm triax cable allows a maximum transmission distance of up to 1800m with the HSC-300/R and up to 1200m with HSC-100R and HXC-100.

Version in Optical Fibre (RF) is compatible with HSC-100RF and HSC-300RF, allowing up to 2000m transmission distance.

Includes downconverter as standard, 4 SDI outputs selectable HD or SD in pairs, 2 VBS, 1 components and PIX outputs. One analog prompter line, 4 return video lines (2 SDI and 2 VBS), 2 intercom channels and 2 analog audio outputs.

HZCU-MC3 option for use in multi camera systems under the centralized control of a MSU (Master Setup Unit).

HKCU-FP2 is an optional front control panel, very useful in installation with limited space like OB vans and small control rooms. Just 1RU height, allows easy installation and space saving.

| Market   | Applications                                  |
|--|---|
| Broadcasters, production companies, rental companies | HD TV productions, both in studio and OB Van. |

## Service and Support

|                             |                                       |
|-----------------------------|---------------------------------------|
| Basic Prime Support package | 2 Years Warranty, Helpdesk front line |
|-----------------------------|---------------------------------------|

Availability: End October 2013

>>>

# HSCU-300R/RF

HD Camera Control Unit, Triax (R) or Optical Fibre (RF)

<<<

| Top features                                 | Advantages   | Benefits  |
|--|--|---|
| Versions in Digital Triax and Optical Fibre  | Robust and top quality digital transmission along very long distance | Flexibility to use in triax pre-cabled venues or in optical fibre, preserving top picture quality along very long distances thanks to Sony exclusive digital transmission system. |
| Option for HZCU-MC3 MSU multi camera control | Can build multi camera systems with centralized control from a MSU   | If required in big multicamera systems, you can include a centralized control position from a MSU by just adding this software option to the HSCU-300R/RF.                        |
| Downconverter to SD as standard              | Easy to integrate in any production                                  | Without having to include any extra option, it is possible to simultaneously have SD and HD outputs, allowing to to very easily   |
| 1RU height                                   | Very compact size for easy installation and space saving             | Very convenient for OB vans and studios where the space in racks is limited.  |

# HXCU-TX70

Digital Triax CCU for CA-TX70 adapter

The new HXCU-TX70 Digital Triax CCU for HXC-D70 and PMW-320/350/400/500 camcorders, allows connection to the new CA-TX70 Digital Triax camera adaptor. With this new control unit is now possible to control the HXC-D70 and PMW-320/350/400/500 up to a maximum distance of 1200 meters, including the power and signals of Tally, Intercom, Video Return and also Prompter.

| Market   | Applications   |
|--|--|
| Regional Studios, Education, Event & Corporate Productions | Studio Live Production, Teaching, Live Event Coverage & DSNG |

| Top features  | Advantages  | Benefits  |
|---|---|---|
| Digital Triax Connection  | Broadcast quality full HD video up to 1200m with 14.5mm Triax / Use of conventional Triax infrastructure              | Less integration cost using existing Triax cables   |
| Control with RCP-1500 series and HKCU-FP2 front panel                   | a conventional remote control panels well known at HD camera system and newly designed front control panel are ready. | Be able to choose a control panel style by customers environment  |
| 4x selectable HD-SDI or SD-SDI outputs plus analogue VBS and component. | Fitted with every video I/O required in most production applications  | Plug-and-play in any existing HD or SD live production environment  |
| Compatible with Software RCP (PC RCP)                                   | Lower the cost of the system using software RCP and Network, and be able to display the parameters on big screen      | Ease the integration of the Camera Control using network and reduce total system cost. Display on projector & train students on all camera parameters |

## Service and Support

|                             |  |
|-----------------------------|--|
| Basic Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------------|--|

Availability: End October 2013

[view more online >](#)

[channel partners only >](#)  
you must be logged in

# HKCU-FP2

Optional front control panel for HSCU-300R/RF and HXCU-TX70

Control panel to be attached to the front of HSCU-300R/RF or HXCU-TX70 CCUs. Direct access for controlling white and black balance, iris and master black, shutter and master gain. Function assignable buttons and potentiometer.



| Market   | Applications                                  |
|--|---|
| Broadcasters, production companies, rental companies | HD TV productions, both in studio and OB Van. |

| Top features                                  | Advantages                                 | Benefits  |
|---|--|---|
| Basic camera control from the CCU front panel | Very compact solution for camera control   | Space saving for small control rooms and OB Vans            |
| Direct access to main camera adjustments      | Cost effective solution for camera control | Lower cost compared to traditional RCP type of controllers. |

## Service and Support

|                             |                                       |
|-----------------------------|---------------------------------------|
| Basic Prime Support package | 2 Years Warranty, Helpdesk front line |
|-----------------------------|---------------------------------------|

Availability: End October 2013

# HDC-P1

## HD compact system camera

The HDC-P1 is a multipurpose high-definition video camera, equipped with 2.2-million pixel 2/3-inch type Power HAD FX CCDs. The camera has a compact, box-shaped case, so it requires little space for installation and can be used for a variety of applications. A camera control system that uses the same protocol as a HDC studio camera is employed, allowing the camera to be used for system operation in combination with a multi-camera studio system.



| Market  | Applications                         |
|---|--------------------------------------|
| High-End OB-Van and Studio Production & 3D Shoots | Studio, Live and DMC & 3D Production |

| Top Features                                      | Advantages  | Benefits   |
|---|---|--|
| Power HAD FX CCD                                  | Due to Sony's advanced sensor technologies, the CCD imager offers a high sensitivity and good signal to noise ratios  | Enable 24p & 25p by optional HZC-PSFP1 software key for Cinematography & Creative Live Productions   |
| Two remote control optical filters                | The HDC-P1 is the first camera of its type with two optical filters - Neutral Density (ND) and Colour Correction (CC) | More flexibility under changing lighting and easier picture matching with full size system cameras. Both filters are servo driven so they can be controlled remotely |
| Compact and Lightweight Design                    | The HDC-P1 weighs only 1.7 kg (3 lb 12 oz) and its dimensions are a compact, 86mm(W) x 130mm(H) x 189mm(D)            | Easy installation in space-constrained and awkward areas such as on a crane head or helicopter as well as for Steadicam & 3D lightweight configurations.             |
| Same control system as HDC/HSC/HXC Series Cameras | Fully compatible with Sony's current Master Set-up Units (MSU) and Remote Control Panels (RCP) using 700 Protocol     | This flexibility allows for comprehensive camera systems or simple point-to-point systems.   |

# HZC-PRVP1

Software Update for HDC-P1 to support full 1080P progressive frame rates

Software Update for HDC-P1 to support full 1080P progressive frame rates (1080/50P & 59.94P). Signal output via Dual-Link HD-SDI from camera head.



| Market                                   | Applications  |
|--|---|
| Broadcast Production (OB Van and Studio) | All broadcast productions (sports, entertainment, etc.) |

| Top feature  | Advantage   | Benefit                            |
|--|---|------------------------------------|
| Easy to install SW upgrade for HDC-P1 to support 1080P frame rates | HDC-P1 can be utilized in a full progressive shooting environment | future proof investment for HDC-P1 |

## Service and Support

|                             |  |
|-----------------------------|--|
| Basic Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------------|--|

Availability: Now



# HDFA-200

Dual-channel HD fibre-optic transmission adaptor

The HDFA-200 is a single fibre transmitter for dual camera systems. Perfect for 3D, HFR camera and 444 applications, it provides both signals transmission, genlocks and DC12V power for the cameras. Connected to a 3G CCU from the HDC series, it provides an extra DC12V output for Rig or Crane power supply, as well as a high speed RS232/422 Trunk line for Data pass through. It also adds all the intercom and VF features needed for cameramen to work in Broadcast environment, providing 3D VF information and Video Returns access for making setup & operations more efficient.



| Market                 | Applications                                |
|------------------------|---|
| OB-Van & 3D Production | For shooting high-end outdoor and 3D events |

| Top features                               | Advantages  | Benefits  |
|--|---|---|
| Transmit 2 camera signals over 1 Fibre     | Requires less cables and less time for the setup                                    | Quicker install time<br>Smoother operations                             |
| Power supply for cameras & external device | No need to add external power supplies for cameras & rigs (or crane)                | Quicker install time<br>Safer operations                                |
| Unique 3D functions such as 3D Viewfinder  | Offers a view of both cameras mixed or anaglyph, and dual camera control with 1 RCP | Better operations in 3D<br>Quicker install time                         |
| High speed trunk line                      | Offers RS232/422 protocol data to pass through the Fibre without extra line         | Rig or Crane control with the DC12V output without needing other cables |
| Portable & Robust                          | Designed for OB environments and easy to fit under a rig or tripod                  | Easy to setup<br>Safer operations                                       |

# HZC-CSM10

## Camera Control Software

The HZC-CSM10 is a PC-MSU Windows based application software for controlling a camera system from a PC. For the camera system not to depend on PC stability, to include a MSU in Master mode is very recommended (PC-MSU can also work as Master mode at customer's risk for PC stability). System requirements are Windows Vista (32bits) or Windows 7 (32bits/64bits), and 2GByte RAM.

| Market                                 | Applications              |
|--|---------------------------|
| All System Camera OB truck and studios | Broadcast Live production |

| Top Features                         | Advantages  | Benefits   |
|--------------------------------------|---|--|
| PC based application                 | Network control of your camera system                     | Location-free PC control of the system                               |
| GUI for camera adjustment            | GUI for controlling any parameter of the cameras camera   | Even easier camera adjustment with dedicated GUI                     |
| RCP assignment GUI                   | Powerful and easy to use GUI for RCP to camera assignment | Fast and easy reconfiguration of your control panels without cabling |
| File management                      | File transfer among cameras with your mouse               | Very fast adjustment of a complete multi camera system               |
| Diagnosis and optical level displays | System status information available in your PC            | Extra safety by remote supervision of the system                     |

# HZC-RCP5

## Camera Remote Control Software

This application enables the user to control up to 5 sets of Sony's HXC-D70 and HXC-100 studio camera chains from a PC (OS Windows 7 English ver.). The very complete and easy to use GUI allows the user to control camera parameters as if he were using a RCP panel. All the Paint parameters can be displayed and controlled, apart from Scene Files management.

| Market  | Applications                 |
|---|------------------------------|
| Small regional studios, Education, B&I production | Professional live production |

| Top features  | Advantages  | Benefits  |
|---|---|---|
| Control of up to 5 sets of HXC-70/HXCU-D70 / HXCU-FB70 / HXCU-TX70    | Multicamera control from a PC                               | Cost saving vs RCP-1500/1530                                    |
| Powerful control of multiple camera parameters                        | Allows to optimize camera output as requested               | Simple RCP-1000 does not allow control of many Paint parameters |
| Adjustments of multiple cameras simultaneously presented on PC screen | Powerful control of our full camera system                  | Faster matching and control of all the cameras in the system    |
| GUI can be seen in a big presentation screen                          | In educational applications, better students' understanding | Differentiate from the classical classroom with just one RCP    |
| LAN connection via Hub  | Very easy and cheap installation                            | Improved versatility for a variety of applications              |

Availability: Now

# HDCU-2500

Camera Control Unit to be used in combination with HDC-2000-Series (and HDC-1500-series)

New HD-CCU series using 3G fibre transmission (SMPTE Fibre Hybrid cable with LEMO connectors). Half 19"-Rack size with menu access from the front panel. Featuring all major broadcast interfaces as standard (eg. 3G-HD-SDI, Dual-Link HD-SDI, HD-/SD-SDI outputs (BNC), HD-/SD-SDI Return inputs, etc...) and a max. cable extension of 2000m (incl. power to HDC-2500-series and HDC-1500-Series camera head).

| Market   | Applications     |
|--|------------------|
| Broadcast Production Market (Studio- and OB-Productions) | HDTV Productions |

| Top features   | Advantages  | Benefits  |
|--|---|---|
| Half 19"-rack size   | Compact and lightweight (6.7 kg)  | Occupying less space in OB vans less weight for OB vans   |
| 3G fibre transmission with LEMO connectors                   | Uncompressed transmission of any HDTV frame rate from camera head to CCU                | High quality picture output from CCU w/o any signal degradation, independent from cable lengths                           |
| SMPTE Fibre hybrid cable with LEMO connectors                | Flexible and lightweight cable power supply to camera head industry standard connectors | Low weight of cables for OB vans<br>no separate power line to camera (max. 2Km)<br>compatibility to third party equipment |
| Menu operation accessible from Front Panel                   | Easy to access menu   | Menu control from CCU front panel for easy setup (w/o having to open the CCU).  |
| 3G HD-SDI interfaces 3x BNC (switchable to Dual-Link HD-SDI) | 3G signals can be output from CCU according to SMPTE 425M (Level B)                     | Industry standardized interface is available as standard  |
| 2 slots for system expansion boards                          | Customised configuration of outputs   | Configuration of outputs according to the production and budget requirements  |

## Service and Support

|                       |  |
|-----------------------|--|
| Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------|--|

Availability: Now

# HDCU-2000

Camera Control Unit to be used  
in combination with HDC-2000-Series  
(and HDC-1500-series)

New HD-CCU series using 3G fibre transmission (SMPTE Fibre Hybrid cable with LEMO connectors). Full 19"-Rack size with menu access from the front panel. Featuring all major broadcast interfaces as standard (eg. 3G-HD-SDI, Dual-Link HD-SDI, HD-/SD-SDI outputs (BNC), HD-/SD-SDI Return inputs, etc...) and a max. cable extension of 4000m (incl. power to HDC-2500-series and HDC-1500-Series camera head).



| Market  | Applications     |
|---|------------------|
| Broadcast Production Market<br>(Studio- and OB-Productions) | HDTV Productions |

## Service and Support

|                       |   |
|-----------------------|---|
| Prime Support package | Basic package, 2 years warranty,<br>helpdesk front line |
|-----------------------|---|

Availability: Now

>>>

# HDCU-2000

Camera Control Unit to be used  
in combination with HDC-2000-Series  
(and HDC-1500-series)

<<<

| Top Features   | Advantages   | Benefits  |
|--|--|---|
| Full 19"-rack size<br>Various Outputs  | For high flexibility   | High output power for long<br>cable extensions<br>240V AC output available from<br>HDLA-1500 series<br>2 independent prompter<br>channels   |
| 3G fibre<br>transmission with<br>LEMO connectors   | Uncompressed<br>transmission of any<br>HDTV frame rate from<br>camera head to CCU                      | High quality picture output from<br>CCU w/o any signal degradation,<br>independent from cable lengths<br>(up to 4000m with power to<br>cam head/ 10Km with separate<br>power supply to cam head). |
| SMPTE Fibre<br>hybrid cable with<br>LEMO connectors  | Flexible and<br>lightweight cable<br>power supply to<br>camera head<br>industry standard<br>connectors | Low weight of cables for OB<br>vans<br>no separate power line to<br>camera (max. 2Km)compatibility<br>to third party equipment  |
| Menu operation<br>accessible from<br>Front Panel   | Easy to access menu  | Menu control from CCU front<br>panel for easy setup (w/o having<br>to open the CCU).  |
| 3G HD-SDI<br>interfaces (4x<br>BNC) as standard<br>feature (switchable<br>to Dual-Link HD-<br>SDI) | 3G signals can be<br>output from CCU<br>according to SMPTE<br>425M (Level B)                           | Industry standardized interface<br>is available as standard   |
| 4 slots for system<br>expansion boards   | Customised<br>configuration of<br>outputs  | Configuration of outputs<br>according to the production and<br>budget requirements  |

# HDCU-1700

Camera Control Unit to be used in combination with HDC-1700

New cost-effective HD-CCU using 1.5G fibre transmission (SMPTE Fibre Hybrid cable with LEMO connectors). Half 19"-Rack size with menu access from the front panel. Featuring all major broadcast interfaces as standard (eg. HD-/SD-SDI outputs (BNC), HD-/SD-Sdi Return inputs, etc...) and a max. cable extension of 2000m (incl. power to HDC camera head).



| Market  | Applications     |
|---|------------------|
| Mainstream Broadcast Production Market (Studio- and OB-Productions) | HDTV Productions |

| Top features                                  | Advantages  | Benefits  |
|---|---|---|
| Half 19"-rack size                            | Compact and lightweight (6.7 kg)  | Occupying less space in OB vans less weight for OB vans   |
| 1.5G fibre transmission                       | Uncompressed transmission from camera head to CCU                                       | High quality picture output from CCU w/o any signal degradation, independent from cable lengths                     |
| SMPTE Fibre hybrid cable with LEMO connectors | Flexible and lightweight cable power supply to camera head industry standard connectors | Low weight of cables for OB vans no separate power line to camera (max. 2km) compatibility to third party equipment |
| Menu operation accessible from Front Panel    | Easy to access menu   | Menu control from CCU front panel for easy setup (w/o having to open the CCU).                                      |

## Service and Support

|                       |  |
|-----------------------|--|
| Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------|--|

Availability: Now

[view more online >](#)

[channel partners only >](#)  
you must be logged in

# HXCU-D70

## Camera Control Unit for HXC-D70

The HXCU-D70 is the new Multicore HD Camera Control Unit for the HXC-D70 camera. With a CCZ-A cable, digital HD transmission of up to 100m is available. Includes Down-conversion to SD as standard; simultaneous HD and SD outputs are available. Supports 700 control protocol, so can be used with RCP-1000 series and RM-B750/B150 remote control panels.



| Market   | Applications                 |
|--|------------------------------|
| Small regional studio, Education, B&I production | Professional Live production |

| Top Features   | Advantages   | Benefits   |
|--|--|--|
| Front control panel fitted as standard   | Very user friendly front control panel                               | Basic camera control with no remote panel for very low budget or reduced space systems |
| 4x selectable HD-SDI or SD-SDI outputs plus Analogue VBS and component. HDMI and S-Video outputs | Fitted with every video I/O required in most production applications | Plug-and-play in any existing HD or SD live production environment                     |
| Variety of RCP panels. Connection via LAN or CCA-5 cable   | Versatile control configuration                                      | Flexible configuration for any particular requirements                                 |
| Intercom and prompter channels   | Two live production requirements supplied as standard                | No compromise system, even with a low cost camera                                      |

### Service and Support

|                       |   |
|-----------------------|---|
| Prime Support package | Prime Support package: Basic package, 2 years warranty, helpdesk front line |
|-----------------------|---|

Availability: Now



# HXC-D70

## Affordable Professional HD Camera

The HXC-D70 is a very affordable professional HD video camera, equipped with 3 full HD resolution 2/3-inch CMOS sensors.

The camera has a built in multi-core connector for direct analog SD transmission to an existing CCU-D50 or digital HD transmission to the new HXCU-D70 by using a standard CCZ-A multicore cable.

The HXC-D70 is now also compatible with single mode fibre transmission up to 250 mt. including power and 10Km with local power thanks to the new CA-FB70 and the HXCU-FB70 fibre camera control unit.

This camera will be also compatible with the new CA-TX70 Digital Triax Camera adaptor that will connect to the popular HXCU-100 or the new HXCU-TX70 camera control unit, up to 600 mt. with  $\phi 8.5$ mm cable or 1200 mt. ( $\phi 14.5$ mm cable).

It is compatible with all existing 2/3" lenses, and can be used with a wide range of viewfinders. It is the perfect solution for actual DXC users who wants to start migration from SD to HD and keep using part of their infrastructure, and for those who want to step into the HD with a minimum investment



### Market

Regional Studios, Education,  
Event & Corporate Productions

### Applications

Studio Live Production, Teaching, Live  
Event Coverage & DSNG

>>>

# HXC-D70

Affordable Professional HD Camera

<<<

| Top Features  | Advantages  | Benefits   |
|---|---|--|
| Studio camera system full HD 2/3-inch CMOS sensors and latest digital multi core transmission technology when connected with HXCU-D70 | Very affordable Full HD studio camera system, already equipped with front control panel as standard.  | Great system versatility<br>Full operational features and video performance.<br>Compatibility with RCP 1500 panels   |
| The HXC-D70 can be attached to the new adapters CA-FB70 or CA-TX70 for fibre or digital triax transmission                            | Operational distance can be easily increased thanks to unique rear panel design for instant docking mechanism   | Wide choices for the transmission system in various live camera applications   |
| Compatible with CCU-D50   | Just exchanging DXC camera head by the new HXC-D70 is possible up to 300m analogue SD transmission via CCZ-A cable and simultaneous SDI (HD or SD) output from camera head via BNC. | Step by step migration from SD to HD.<br>Minimum investment for a HD/ SD camera system.<br>Great improvement of SD picture quality<br>Reuse of existing SD accessories as RCP-D50/51 or RM-7G for CCU-D50 control. |
| Plenty of functions live production application   | xPrompter line, Trunk I/F, 2x Audio channels, 2x Digital Extender, 7 standard Gammas plus 4 HyperGammas, ALAC, Auto Focus (with AF lens) , Skin Detail, Low Key Saturation, etc     | Ideal for many live production applications  |

## Service and Support

|                       |  |
|-----------------------|--|
| Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------|--|

Availability: Now

# HXCU-FB70

Fibre CCU for CA-FB70 adapter

The HXCU-FB70 Optical fibre CCU for HXC-D70 and PMW-320/350/400/500 camcorders, allows connection to the new CA-FB70 Optical fibre camera adaptor. With this new control unit is now possible to control the HXC-D70 and PMW-320/350/400/500 up to a maximum distance of 250 meters, including the power and signals of Tally, Intercom, Video Return and also Prompter.



| Market   | Applications   |
|--|--|
| Regional Studios, Education, Event & Corporate Productions | Studio Live Production, Teaching, Live Event Coverage & DSNG |

| Top features   | Advantages   | Benefits  |
|--|--|---|
| Optical Fibre Connection   | 250m with Power Supply or up to 10km with Single Mode Fibre and local power                                      | Best Picture quality and easy integration using Optical Fibre connection  |
| Compatible with RCP-1xxx series  | Use conventional remote control panels well known on all HD System Cameras                                       | Train students on interfaces that are common to the High End System Cameras   |
| Compatible with Software RCP (PC RCP)  | Lower the cost of the system using software RCP and Network, and be able to display the parameters on big screen | Ease the integration of the Camera Control using network and reduce total system cost. Display on projector & train students on all camera parameters |
| 4x selectable HD-SDI or SD-SDI outputs plus Analogue VBS and component. HDMI and S-Video outputs | Fitted with every video I/O required in most production applications   | Plug-and-play in any existing HD or SD live production environment  |

## Service and Support

|                       |  |
|-----------------------|--|
| Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------|--|

Availability: Now

>>>

# HXCE-FB70

Power supply extension unit

<<<

The HXCE-FB70 is an extension module for the Fibre connection between CA-FB70 & HXCU-FB70. It receives power via a fibre from the HXCU. It then connects to the CA-FB70 with a single mode fibre cable. In this case it can extend the distance from 250m to 250m + 10km if the CA-FB70 is powered locally.



| Market   | Applications   |
|--|--|
| Regional Studios, Education, Event & Corporate Productions | Studio Live Production, Teaching, Live Event Coverage & DSNG |

| Top features  | Advantages   | Benefits  |
|---|--|---|
| Optical Fibre Connection  | 250m with Power Supply or up to 10km with Single Mode Fibre and local power                          | Best Picture quality and easy integration using Optical Fibre connection        |
| Can power the camera adapter from the extension box and have single mode connection from CCU up to 10km | Use of single model fibre for difficult wiring and get power supply for the HXCE-FB70                | Easier integration withing complex environment (stadium, theatre, concert hall) |
| Very compact design and lightweight   | Positioning in any available space in proximity of the event while remaining invisible in the scene. | Easy to carry with handle for quick movements and facilitating the set up       |

## Service and Support

|                       |  |
|-----------------------|--|
| Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------|--|

Availability: Now

# CA-FB70

Optical Fibre Adapter for HXC-D70  
& PMW-320/350/500

The new CA-FB70 optical fibre camera adaptor for the HXC-D70 studio camera and PMW-320/350/400/500 camcorders, allows connection via fibre to the new HXCU-FB70 Camera Control Unit. Thanks to this new adapter it will be possible to operate the HXC-D70 and PMW-320/350/400/500 up to a distance of 250 meters, including power, Tally, Intercom, Video Return and also Prompter. Adopting single-mode optical fibre and feeding locally 12VDC power, it can reach a distance of 10Km.



| Market   | Applications   |
|--|--|
| Regional Studios, Education<br>Event & Corporate Productions | Studio Live Production, Teaching<br>Live Event Coverage & DSNG |

| Top features  | Advantages   | Benefits   |
|---|--|--|
| Optical Fibre   | Broadcast quality full HD video up to 250 mt. with power or 10Km without power.  | Best Picture quality and easy integration using Optical Fibre  |
| Interchangeable adapters  | Multi use of camcorder in ENG or Studio  | Maximise ROI of camcorder with multi usage in different environment  |
| Compatibility with HXC-D70 series studio camera and camcorders<br><br>PMW-320 ;<br>PMW-350 ;<br>PMW-400;<br>PMW-500 | Possibility to extend the operation up to a distance of 250 meters including the power and all signals (RET; Tally, Intercom and Prompter) in full HD and with limited investment. | Migration from SD to HD with minimum investment for flexible a HD/SD camera system, while maintaining a high level of video quality. |

Note: CBK-HD02 is required when the CA-FB70 or CA-TX70 is configured with PMW-500. CBK-CE01 is required when the CA-FB70 or CA-TX70 is configured with PMW-350/320/400.

## Service and Support

|                       |  |
|-----------------------|--|
| Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------|--|

Availability: Now

# CA-TX70

Digital Triax Adapter for HXC-D70  
& PMW-320/350/500

The CA-TX70 Digital Triax Camera Adaptor for HXC-D70 and PMW-320/350/400/500, allows connection via Triax cable to the existing HXCU-100 Camera Control Unit. Thanks to this new adapter it will be possible to operate the HXC-D70 or PMW-320/350/400/500 up to a maximum distance of 1200 mt. with  $\phi$ 14.5mm cable and 600 mt with  $\phi$ 8.5mm cable, including the power and signals of Tally, Intercom, Video Return and also Prompter.



| Market   | Applications   |
|--|--|
| Regional Studios, Education, Event & Corporate Productions | Studio Live Production, Teaching, Live Event Coverage & DSNG |

| Top features  | Advantages   | Benefits   |
|---|--|--|
| Digital Triax transmission  | Broadcast quality full HD video up to 1200m with 14.5mm Triax / Use of conventional Triax infrastructure   | Less integration cost using existing Triax cables  |
| Interchangeable adapters  | Multi use of camcorder in ENG or Studio  | Maximise ROI of camcorder with multi usage in different environment  |
| Compatibility with HXC-D70 series studio camera and camcorders PMW-320 ; PMW-350 ; PMW-400; PMW-500 | Possibility to extend the operation up to a distance of 600 meters including the power and all signals (RET; Tally, Intercom and Prompter) in full HD and with limited investment. | Migration from SD to HD with minimum investment for flexible a HD/SD camera system, while maintaining a high level of video quality. |

Note: CBK-HD02 is required when the CA-FB70 or CA-TX70 is configured with PMW-500. CBK-CE01 is required when the CA-FB70 or CA-TX70 is configured with PMW-350/320/400.

## Service and Support

|                       |  |
|-----------------------|--|
| Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------|--|

Availability: Now

# IP Live Manager

PC based software to configure and monitor video feeds of NXL-IP55

IP Live Manager is a PC based application software that enables the control and configuration of multiple NXL-IP55 live production units over an IP Network. It also offers the ability to monitor multiple video streams on the same screen while they are transmitted over the network at any location. Software presets makes it easy to change routes and pairings of NXL-IP55 units.

| Market   | Applications  |
|--|---|
| Live Production, Remote Production, Event & Corporate Production | Remote Production, Distant Studio Connection, Infrastructure Simplification |

| Top Features  | Advantages   | Benefits  |
|---|--|---|
| Configure multiple NXL-IP55 on the same network                         | Simplify multiple NXL-IP55 configuration through single interface                                | Less configuration time   |
| Change easily configuration of NXL-IP55 to have different source/target | Offer more flexibility to connect different places using multiple NXL-IP55 over the same network | Increase Video Routing flexibility using network capability and very quick setup                                  |
| Monitor Video Feeds transfered over the network                         | Setup quickly a monitoring environment in one or multiple places just being on the same network  | Have PC based video monitoring in any place connected to the network increase flexibility and lower cost of setup |

Availability: July 2013

# NXL-IP55

## IP Live Production Unit

The NXL-IP55 IP Live Production Unit enables multiple HD video data streams to be transmitted over an IP network (LAN). The unit enables users to establish an IP Live Production System via GB Ethernet Local Area Network (LAN). The unit can be configured to 3 videos downstream + 1 upstream or 2 down + 2 up over 1x Gigabit Ethernet LAN link including Audio + Tally + Genlock.



| Market   | Applications   |
|--|--|
| Studios, OB Vans, Telecommunication Vendors, Event & Corporate Broadcast | Simple Video transmission over IP Network, Remote Live Production, Broadcast Video quality transmission over IP (contribution) |

| Top Features                     | Advantages   | Benefits   |
|----------------------------------|--|--|
| Genlock function over network    | Realize multi-camera system over single network link       | Using network to synchronize multi-camera shooting                                   |
| Broadcast quality full HD video  | Keep broadcast quality over network                        | Customer can select the same picture quality as HSC-300/HXC-100 digital Triax system |
| Ultra low latency within 1 field | Easy Integration of multiple video streams over IP Network | Even using network configuration, customer can select switching                      |

### Service and Support

|                       |   |
|-----------------------|---|
| Prime Support package | Prime Support package: Basic package, 2 years warranty, helpdesk front line |
|-----------------------|---|

Availability: Now



# CNA-1

## Camera Control Network Adaptor

CNA-1 is a Network Adaptor for 3rd parties system products. This helps 3rd party to develop software that can control Sony System Camera over IP network, using a simple protocol. This helps to develop more quickly & simply new applications without requiring complex programming.



| Market  | Applications   |
|---|--|
| In-house studio (especially News studio), Outside broadcast | System Camera management software, automation control of system camera parameters... |

| Top Features  | Advantages   | Benefits  |
|---|--|---|
| Convert Sony 700IP Protocol to Simple Protocol                                | Enable more 3rd vendors to develop simply applications | CNA-1 can work as "Protocol Converter" which can translate to simpler protocol for 3rd vendor's integration of their control panel onto Sony camera system. |
| Convert serial protocol to IP protocol  | Easily add non-network capability products             | If additional camera chain is required to increase camera number for the bid event, it can be connected via CNA-1 to the network likely CNU type operation. |
| Working as a MASTER gateway for using network manager such as PC MSU software | Adapt simply camera control over IP                    | CNA-1 can work as "Master mode" with HZC-CSM10, even without MSU.   |

### Service and Support

Normal Sony Prime Support + Standard protocol documentation for developers

Availability: Now

# MVS Series Switchers

Production Switchers

## Comparison chart

|                   | MVS-8000X                      | MVS-7000X                               | MVS-6530                           | MVS-3000A                               |
|-------------------|--------------------------------|---|------------------------------------|---|
| ME Busses         | Up to 5                        | Up to 6                                 | 3                                  | 2                                       |
| Keys per ME       | 8                              | 8 in 3 ME mode 4 in 6 ME mode           | 8 for ME 3 plus 4 for ME1 & ME2    | 4                                       |
| Resizers per ME   | 8                              | 8 in 3 ME mode 4 in 6 ME mode           | 8 for ME 3 plus 4 for ME1 & ME2 2" | 2                                       |
| Inputs            | Up to 156                      | Up to 80                                | 48                                 | 32                                      |
| Outputs           | Up to 68                       | Up to 48                                | 32                                 | 16                                      |
| Multiviewer       | 2 ch (destination)             | 2 ch (destination)                      | 2ch (Source and destination)       | 2ch (Source and destination)            |
| Aux Mix           | No                             | Yes                                     | Yes                                | Yes                                     |
| Format conversion | optional up to 16 in and 4 out | Optional upto 8 in and 4 out            | Optional 8 in/0 out or 4 in/ 2 out | Optional 8 in/0 out or 4 in/ 2 out2 out |
| Frame Memory      | Optional 8ch                   | Optional 8ch                            | Standard 8ch                       | Standard 8ch                            |
| DME               | Up to 8 ch external            | Up to 4 ch, Internal plus 4 ch external | Optional 2 ch internal             | Optional 2 ch internal                  |
| Frame support     | SD/HD/3G/4K                    | SD/HD/3G/4K                             | SD/HD                              | SD/HD                                   |

(above table refers to HD and SD modes only.

For 3G operation facilities are reduced)

Some options require additional software / hardware purchase.

# MVS-7000X / MVS-8000X

3G Production Switchers

The MVS-7000X and MVS-8000X high end production switchers are suitable for the most demanding of video productions. The system can be specified for SD, HD, 3D, 3G (1080/50P) or even 4K productions.



The MVS-8000X can be configured for up to 5 MEs in 1080/50P whilst the new flex-ME inside the MVS-7000X can allow for up to 3MEs in 1080/50P or 6MEs in 1080/50i. Additionally both switchers now offer independent aux bus transitions, plus the ability to use the format convertors as a frame synchroniser, useful to synchronise any external source.

## MVS-7000X and MVS-8000X – 4K Support

As the centrepiece to our 4K Live studio we will demonstrate the MVS-7000X working in 4K mode. We will showcase the following new products to support 4K production on both the MVS-7000X and MVS-8000X processors:

- BZS-8570X : 4K Upgrade Software (MVS-8000X)
- BZS-7570X : 4K Upgrade Software (MVS-7000X)
- MKS-8460X : 4K Format Converter Board

Whilst any current MVS-7000X or 8000X unit is capable of handling basic 4K production the new software offers more advanced features including chromakey and key resizing. Due to a slight model revision this is only possible to install on new systems delivered after October this year. (For existing customers a board upgrade will be necessary.)

The format convertor is also possible to install inside existing units where basic 4K production is possible.

For more information on MVS working in 4K please speak to a member of the live production team.

### Market

From small to large production facilities and multi studio users.

### Applications

Live production video switcher

>>>

# MVS-7000X /MVS-8000X

3G Production Switchers

<<<

| Top Features  | Advantages  | Benefits   |
|---|---|--|
| SD, HD or single link 3G capable                      | Ready for any future requirement for 3D or 1080/50P production  | Upgrade to HD and 1080/50P production at own time  |
| Flexible ME Architecture                              | Very flexible to fulfil all requirements for all kinds of production  | Easy to operate, future proof  |
| Internal 2.5D resizer on every keyer                  | Basic picture in picture effects can be produced without the need for external DME unit                     | Cost saving, easy to operate   |
| Internal multiviewer                                  | Produce multi-view monitor signal from inside the switcher processor  | No need for expensive external converter. Also reduces the delay associated with external processing |
| Range of internal options to suite programme requests | Powerful internal options (frame memory, DME unit and format converters) can be supplied only when required | System can be configured to suit current operational requirements and expanded as needs change       |
| Part of existing MVS Family                           | Operators can be immediately familiar with operational style  | Minimum retraining necessary   |

## Service and Support

|                       |  |
|-----------------------|--|
| Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------|--|

Availability: Now

# MVS-6530

MVS-6530 3ME HD/SD Switcher

The MVS-6530 is the new mid-range switcher in the MVS family packing advanced features into a compact 4RU processor. It is suitable as a mid-large live production switcher for live broadcasting. The system is fixed with 3ME busses, 48I/Ps and 32 O/Ps, 16 keyers, 8 having 2.5D Resize functionality. Advanced options

such as internal 2ch DME and format converters are available to enhance the creative power. Being part of the MVS family means that it shares the same operational philosophy as the larger MVS-7000 and MVS-8000 units.



## New at IBC

16 way split on multiviewer outputs (currently we can do only a max of 10 way split on the two outputs).

### Market

This new production switcher is ideally suited for live production studios, stadiums and OB vehicles

### Applications

Live Production Switcher

>>>

# MVS-6530

MVS-6530 3ME HD/SD Switcher

<<<

| Top features                                    | Advantages   | Benefits   |
|---|--|--|
| Traditional MVS Family design and Menu System   | Operators will feel immediately at home despite the new design   | Intuitive Menu allows for professional & efficient operation   |
| 16 Keyers 8 x 2.5 D resizer                     | 8 x 2.5D Resizers allow for flexible keying across the switcher and simple effects production                    | Clip Transitions can be produced simply without the need for 3D DME  |
| 3D DME & Format Conversion Boards Optional      | Powerful internal options ( DME unit and format convertors) can be supplied only as required                     | System can be configured to suit current operational requirements and expanded as needs change                           |
| Two channel multi viewer                        | Two independent outputs giving a choice of 10- or 4-way split display on each with source name and tally display | Offers up to 20 sources displayed and named, no need for separate 3rd party MultiViewers                                 |
| Aux Bus Mixing                                  | Mixing by Aux Pair   | Allows separate mix to be conducted on in-vision monitor feed, for example.  |
| Colour Correction on All Inputs and Aux Outputs | Colour adjustments can be made on any input or Aux feed  | Stylish effects such as 'crushing the blacks' can be performed on any feed for stylish replays - adding production value |

## Service and Support

|                       |  |
|-----------------------|--|
| Prime Support package | Basic package, 2 years warranty, helpdesk front line |
|-----------------------|--|

Availability: Now

# MVS-3000A

MVS-3000A Compact 2 ME-Switcher  
with AUX-Mix Transitions

The MVS-3000A is a very successful Production switcher for professional Productions. This switcher inherits an array of characteristics and features from the well-established MVS-Series. The MVS-3000 comes with sophisticated capabilities such as two Mix Effects (M/E), with four Full-Keyers each - all with high performance Chromakey Quality, four 2.5D Resizers, Colour-Correction, AUX-MIX and more. With the standard Multi-Viewer Outputs you can save space on additional Monitoring and reduce your total cost.



## Market

Compact, flexible and reliable Switcher for all kind of professional Studio- and Live-Productions, Stadiums, Education, Rental and Events

## Applications

Live Production Switcher

## Service and Support

|                             |                                       |
|-----------------------------|---------------------------------------|
| Basic Prime Support package | 2 Years Warranty, Helpdesk front line |
|-----------------------------|---------------------------------------|

Availability: Now

>>>

# MVS-3000A

MVS-3000A Compact 2 ME-Switcher  
with AUX-Mix Transitions

<<<<

| Top features  | Advantages  | Benefits  |
|---|---|---|
| Custom-designed operational Control surface with OLED source name display                               | Easy to operate, compact sized Control Panels with 16- or 24-XPT's                                  | Space saving without compromising functionality                         |
| Two Mix Effects (M/E) with four Keyers each, two 2.5D Simple-DVE per M/E for picture-in-picture effects | Basic Picture-In-Picture effects can be produced quick and simply without external DVE              | Cost Saving   |
| Two flexible Multi-Viewers as Standard  | Two independent Outputs, with 4, 10 or 16 Split Display including Source Names and Tally Indication | No need for external Multi-Viewers                                      |
| Part of the existing MVS Family   | Very reliable switcher with well-know operation Philosophy (GUI)                                    | User are familiar with the system - no need for extra Training          |
| New AUX-Mix Function  | Additional Transition to realize simple Mix-Transitions with using a M/E                            | Offering more flexibility without any additional costs                  |
| Supporting new enhanced Protocols   | Better integration to control external Devices and improved Switcher-Remote-Control                 | New Protocols are offering more possibilities to optimize your Workflow |
| Optional I/O-Format-Converter-Board   | Flexible Configuration allows Format-Conversion, Frame-Synchronization or Frame-Delay Functions     | Prepared for all kind of Productions                                    |



# PWS-4400

## Multi Port AV Storage Unit

The PWS-4400 is a new XAVC-Server for HD- and 4K-Production to improve the existing workflows with more resources and flexible codecs. Additional to that the Server can be used for HFR with F55, Super-Zoom FX for Highlights and Virtual-Camera based on 4k-Stitching. The System can be operate either via EVS-like operation Style or via a user-friendly Touch-Screen GUI.

| Market  | Applications           |
|---|------------------------|
| Powerful Multi-Port-Server for all kind of professional Productions<br>Sensor with Super 35mm Digital-Cameras | Live-Production-Server |

| Top Features                                   | Advantages  | Benefits   |
|--|---|--|
| Easy to operate                                | EVS-like operation philosophy and user friendly GUI for optional Touch-Screen operation   | No need for additional Training  |
| Powerful Content Manager to handle media files | Allows easy media file transfer with existing systems like EVS, Avid or removeable media as Sony Optical Disc Archive-Drive or HDD's. | More smooth and easier 4K workflow to speed up transfer and reduce costs |
| High-Speed-Frame-Recording                     | Up to 360 Frames can be handled for HFR with F55  | Superb Slow Motion Quality   |
| More 4K Output ports available                 | 2-IN and 2-OUT 4K Signals can be handled at the same time   | Reduced costs per channel  |
| Flexible Codecs                                | XAVC, DNxHD, ProRes will be supported   | Improved workflow due to flexible Codecs                                 |
| High-Quality Super Zoom and 4K-Stitching       | HD-Signals can be Cut-Out from the 4K-Signals for Super-Zoom Effects or virtual Cameras (Stitching)                                   | Unique Quality for 4K-Stitching, Replay and Highlight Effects            |

### Service and Support

|                             |                                       |
|-----------------------------|---------------------------------------|
| Basic Prime Support Package | 2 Years Warranty, Helpdesk front line |
|-----------------------------|---------------------------------------|

Availability: December 2013

# MCS-8M

## Affordable Video & Audio Switcher

The MCS-8M is an affordable Video & Audio switcher, with lot of built-in Functions. It has 8 video inputs (HD or SD), 4 video outputs (HD or SD), 1x multi-viewer, 1 Key, 1 DME Channel, Aux Mix, Frame Memory. It has 3D features and uses same internal processing as MVS series.



| Market   | Applications                 |
|--|------------------------------|
| Small regional studio, Education, B&I production | Professional Live production |

| Top Features                        | Advantages   | Benefits  |
|-------------------------------------|--|---|
| Audio and video production switcher | Both audio and video can be mixed by the single operator   | No need for separate audio console or operator                            |
| Variety of input and output formats | Can support HD-SDI, HDMI, and DVI video with frame synchronisation as well as mic, line, embedded, balanced & unbalanced audio connectivity              | No need for external convertor cards                                      |
| Integrated multi-viewer             | A single monitor can display all sources in either a 4 or 10 way split. The output is also available via a DVI connector for entry level monitor support | No need to transport multiple monitors or ancillary equipment             |
| Single keyer and DME engine         | A key signal can be displayed and resized / repositioned   | Great on screen look  |
| Aux bus mixing                      | Two separate and mixable aux bus O/Ps are provided   | Multiple O/Ps for multiple screens. No need for any additional sub mixers |

Availability: Now

# BRC-H900

## HD 3CMOS Colour Video Camera

The BRC-H900 is the top of the line, flagship model of the leading BRC series remote cameras. The adoption of both 1/2-inch type Exmor 3CMOS sensors and 14 x optical zoom lens delivers exceptionally high quality images and flexibility in operation. In addition, the feature rich colour adjustment functions allow fine tuning to meet demanding needs. Ceiling mountability and tally lamps on front and rear offer flexible installation and operation in various shooting environments. Furthermore, the HD/SD-SDI connectivity and compatibility with BRC-Z330's accessories help create a low cost solution.



| Market                                   | Applications   |
|--|--|
| High-end B&I and Studio live productions | Remote TV production, governmental broadcasting, top industrial and corporate applications |

| Top Features  | Advantages   | Benefits   |
|---|--|--|
| High picture quality and sensitivity (F10) by 3 CMOS sensors of 1/2" size and high grade lens | Suitable for high-end B&I and studio application                         | Cost saving vs studio cameras  |
| Equipped with SDI output as standard  | Ready to be used in live productions, where SDI is mandatory             | Cost savings because no need to purchase optional output board                                       |
| 1080/50i/60i and 720/50i/60i switchable, and downconverter to SD included                     | Versatility for using in different types of productions and environments | Easier operation and maintenance by using just one model for multiple applications                   |
| Use same optional accessories than BRC-Z330   | Cheap optional boards and accessories                                    | Expand the possibilities and applications at a low price   |
| Optional IP control   | Can configure up to 100 cameras system with control via Ethernet         | Easy configuration and control of big multicamera systems with low cost communication infrastructure |

# BRC-H700/ Z700/Z330

HD Colour Video Remote Cameras

Completing the Sony line-up of Remote Cameras, the BRC-H700 includes 3CCD 1/3" sensors, a 12x lens and offers the wider horizontal angle of view; the BRC-Z700 with 3CMOS 1/4" sensors and a powerful 20x zoom lens; and the price conscious BRC-Z330 with one CMOS 1/3" sensor and a 18x zoom lens, packed in a very small and convenient body. The three models include a free slot to fit optional boards to expand the number and type of outputs. Also, it is possible a long distance Optical Fibre connection between the camera heads and a Optical Multiplex Unit (BRU), so expanding the possible applications. All can work at 1080/50 and 59.94i. The BRC-Z330 also offers 720p operation.

| Market  | Applications   |
|---|--|
| Corporate, Education, Auditorium, HOW, Studio | Remote acquisition and production for corporate, industrial and live events applications |

| Top Features  | Advantages   | Benefits   |
|---|--|--|
| High picture quality thanks to Sony image sensor technology     | High sensitivity with minimum picture noise  | High picture quality even under low light (6 lux)                                  |
| Small size and smooth Pan/Tilt/Zoom control                     | Adequate for non-intrusive applications  | Minimum impact in concert halls and auditoriums                                    |
| Free slot for expanded video outputs                            | Apart from the standard supplied outputs, a optional output board can be fitted for extra signals. | Every system requirement can be met thanks to the optional output boards available |
| Long Optical Fibre connection to a Optical Multiplex Unit (BRU) | Video, audio and control signals can be sent over 1Km (2Km in the BRC-Z330)                        | More possibilities and applications for long transmissions are required            |
| Optional IP control (BRC-Z330 and -Z700 only)                   | Can configure up to 100 cameras system with control via Ethernet                                   | Easy configuration and control of big multicamera systems                          |

# BRBK-IP10 BRBK-IP7Z

IP Boards for BRC cameras

The new BRBK-IP10 optional IP I/F board allows the BRC-H900 and BRC-Z330 to be connected to the new RM-IP10 IP Remote Control Panel via LAN cable. Also, the new BRBK-IP7Z allows the same to the BRC-Z700.

BRC camera IP network of over 100 cameras can be created. The cameras can be controlled via IP from up to 5 RM-IP10s simultaneously.

Availability: Now

| Top features                                  | Advantages                                  | Benefits  |
|---|---|---|
| Camera systems of up to 112 cameras           | Networked control of big camera system      | Expand the number of applications, p.e. reality shows, multi-auditorium centres, educational centres, etc |
| RJ-45 (10Base-T/100Base-TX) connection        | Easy and economical installation and set-up | Saving time and cost  |
| 2x SDI (HD/SD) outputs included               | Ready for studio application                | No need to invest in extra optional boards nor SDI converters   |
| Up to 5 controllers per system                | Simultaneous multi-operator control         | Applicable in big multicamera live productions like   |
| Simultaneous Preset recall to all the cameras | Instantaneous set-up of multiple cameras    | Big saving time in camera adjustments   |

# RM-IP10

## IP Remote Control Panel for BRC cameras

This new remote panel, physically very similar to the actual RM-BR300, allow to control over 100 BRC cameras via IP. It is compatible to BRC-H900 and BRC-Z330 when they are fitted with the new IP I/F optional board BRBK-IP10 and to the BRC-Z700 when fitted with the new BRBK-IP7Z optional board.

The cameras in a IP network system can be controlled from up to 5 RM-IP10s.

The panel also includes VISCA protocol connections.

Availability: Now

| Top features                                  | Advantages   | Benefits  |
|---|--|---|
| Camera systems of up to 112 cameras           | Networked control of big camera system                       | Expand the number of applications, p.e. reality shows, multi-auditorium centres, educational centres, etc |
| RJ-45 (10Base-T/100Base-TX) connection        | Easy and economical installation and set-up                  | Saving time and cost  |
| PC configuration software supplied            | Easy convenient configuration of system IPs and BRCs numbers | Location free configuration of the system   |
| Up to 5 controllers per system                | Simultaneous multi-operator control                          | Applicable in big multicamera live productions like   |
| Simultaneous Preset recall to all the cameras | Instantaneous set-up of multiple cameras                     | Big saving time in camera adjustments   |

# ELC-MVS01

## Enhanced Live Production Control System

Automation and control is one of the hot topics in newsroom workflow with many highlighting the productivity gains and quality improvements delivered through automating core operational tasks. With this in mind, our enhanced live production control system (ELC) is on the stand at IBC this year, ELC delivers efficiency to existing control room workflows, while maintaining the creative flexibility that broadcasters require. The ELC system meets the demands of multi-format control rooms and integrates seamlessly with Sony's MVS range of production switchers.

### Key Features

- **NRCS-centric**  
ELC avoids unnecessary change to proven workflows that are familiar to newsroom producers. The system integrates with the two leading NRCS systems - iNews and ENPS. NRCS remains the 'master', with ELC mirroring those workflows. In simple terms, ELC sits alongside NRCS and the various devices rather than between them. With dual redundancy for critical operations, ELC does not compromise newsroom output at any time.
- **Interface to video switcher**  
ELC interfaces with the MVS family of video switchers from Sony, including the new MVS-6530. These are recognised for operability, performance and reliability, and are fully scalable to suit all newsroom environments.
- **Automated control**  
ELC controls a wide range of both MOS and non-MOS devices. These include camera robotics, audio mixers and servers, DDRs, playout servers and character generators. This versatility lowers operational costs and protects current investment.
- **Future-proof integration**  
To future-proof device integration, ELC uses IP Ethernet protocols as well as conventional point-to-point cabling. This extends the potential scope of the interface in terms of functionality, as well as offering practical benefits that include less clutter on the newsroom floor.
- **Intuitive user interface**  
The NRCS playlist is mirrored on the ELC screen using the same numbering sequence. The system provides resource-management features such as camera shot conflict alarm, playout channel conflict alarm and switcher resource management. These warn operators of potential and impending event conflicts based on known limitations of the system components. The screen also shows the assets that will be accessed

>>>

# ELC-MVS01

## Enhanced Live Production Control System

<<<

for subsequent cues - camera and audio settings, remote feed source, recorded content servers and video effects. Current and next cues are depicted by highlighted backgrounds, and initiated with a single button push. The outcome is that the operator can instantly see that all assets are in place for the next cue before going live.

- **Manual mode operation**  
ELC allows the operator to rapidly take manual control at any time, so they can accommodate a breaking news story for example. Additionally, the operator can use manual control to enhance the output quality by making fine adjustments to camera and audio settings.
- **Real-time synchronisation**  
ELC allows real-time rundown synchronisation and playlist updates. This feature enables last-minute modifications to be made in, for example, the running order

### Key Benefits

- **Increase on-air time**  
By improving the operational efficiency of the newsroom, broadcasters can shorten the time between bulletins without the need for additional staff. Also, as more bulletins are scheduled, broadcasters should expect a corresponding rise in advertising revenue.
- **Improve viewing figures and audience share**  
Because ELC automates many routine newsroom functions, key staff can be repurposed from managing content to creating higher-quality content. This will drive up output standards, increase viewing figures and - ultimately - lead to an increase in advertising revenue.
- **Increase newsroom flexibility**  
Because ELC can support automated, semi-automated and manual operations, the newsroom becomes more flexible. Standard news programmes with fixed formats can be made using automation and fewer resources, while flagship programmes and 'one-offs' can revert to full manual control.
- **Reduce risk of errors**  
With fewer staff in the pressurised environment of the 'live' newsroom, the risk of production errors will significantly reduce.



# Media Backbone

## Introduction

### Sony's approach and vision for an IT-based world

The Media Backbone Family of file-based solutions covers many business segments, from small Networked Production and Archive solutions to the very largest Enterprise Integration platforms.

#### Solutions include

- Media Backbone Conductor (Integration Platform).
- Media Backbone Navigator (Optional CMS solution for MBC).
- Media Backbone Sonaps (Production System).
- Media Backbone XDCAM Archive (Shelf based CMS).
- XpriNS team – collaborative editing.
- User Generated Content (UGC) – brings a mobile device live.

All offerings require 3rd-Party products to complete the story; this is NOT a Sony ONLY approach.

Partners remain key to our success and we support a wide range of vendors.

We have a number of significant success stories which we need to SHOUT about.

For IBC 2013 we need to continue to understand our clients short and mid-term objectives and investment plans and develop a pipeline 2014/2015 and beyond.

# Media Backbone

Sonaps

## Key Messages

- Sonaps is a network production solution that integrates every aspect of content production - from planning, acquisition and editing to playout, distribution, streaming and archive. Its proven track record at major events (London 2012) clearly demonstrates its extensive capabilities for Sport, Magazine and Highlight Editing as well as News production.
- It is based on open, standard IT and network infrastructures and enables creative production from small, vehicle-based highlight editing systems to an enterprise-wide collaborative production environment.
- With more than 20 systems on air in Europe and over 60 on air world-wide Sonaps market-leading workflow enables streamlined, collaborative creativity for all users.

## Customer benefits

- Sonaps is open, flexible and scalable and is based on standard IT and network infrastructures.
- Sonaps integrates to legacy systems extending their life and creating new advanced workflows.
- Sonaps can be leased or provided as a managed service, creating a risk-free operational environment, fixed OpEx costs and removing IT hardware devaluation and obsolescence.
- Sony has a proven track record in design, delivery and support of major IT solutions in the broadcast environment.

## At IBC 2013

- V5.3.2 of Sonaps and XpriNS – with preview of some v5.4 features.
- Deeper integration with Media Backbone Conductor.
- More flexibility of system configuration and 3rd-party editors.
- Optical Disc Archive integration and enhanced archive workflows.

## Key Points

- Sonaps is proven for Sport, Magazine and Highlight Editing as well as News production.
- Sonaps has an open, IT-based architecture built on standard platforms and integrates with major third-party applications:
- Newsroom, Graphics, Archive, Automation, Editing.
- Supports user-generated content from the web, mobile and tablet.
- Sonaps streams to web, mobile hand-held devices.
- Web-based applications for platform and location independent operation.

# Media Backbone

## User Generated Content

### Key messages

User Generated Content (UGC) platform is a Sony product designed to allow capture of high quality video and audio from mobile devices out in the field and distribute to multiple transmission mediums or record for future production.

It enables the reception, management and distribution of content from the scene of an event shot on mobile phones, tablets and laptop/webcams.

This technology is invaluable to fill the growing demand for live 'at-the-scene' coverage of breaking events, press conferences or elections where the contents can be immediately re-broadcast, streamed to mobile devices or uploaded to the web.

### Customer benefits

- Capture and send or live send operation.
- Live HD SDI output for immediate on air.
- Instant message back to phone user.
- GPS location and user verification for ultimate security.
- Flexible, scalable IT-based platform.

### At IBC 2013

- Released version of UGC module.
- Ready for sale now.
- Package concept for immediate demo.
- Cloud compatible for efficient workflows.

### Key Points

- UGC module can scale up from entry level (16 in 4 out) to multiple modules.
- UGC is phone/tablet independent.
- Supports web cam and laptop contributions.
- Seamlessly integrates with Sonaps and other 3rd-party systems.
- We can have UGC business in FY13.

# Media Backbone

XpriNS Team

## Key messages

XpriNS Team expands the collaborative workflow opportunities into new areas, from a simple workgroup to in-the-field shared production.

XpriNS Team enables edit while ingest across the team space together with and intuitive project and content sharing workflow. Using the built-in workstation storage, or simple USB or NAS devices the XpriNS Team environment is simple to setup and manage and gives ultimate flexibility in operation.

With personal projects, group projects and multiple team configurations, on a laptop or workstation the XpriNS Team concept is truly flexible, open and scalable and is able to meet the needs of the most demanding operational scenarios.

## Customer benefits

- Edit while ingest across the Team space.
- Low-cost production environment – workflow upgrade path to full Sonaps.
- HD SDI Output for Guaranteed on air operation.
- Instant messaging to team space members.
- Single or multiple Team space for easy project management.
- Private and shared projects with team rights and content management.

## At IBC 2013

- Release version of XpriNS Team.
- Ready for sale now.
- Package concept for immediate sale.
- 3-seat XpriNS Team with Optical Disc Archive and XDS.

## Key Points

- XpriNS Team is unique in the market.
- Edit while ingest across the whole team environment.
- Low cost network production with workflow upgrade path to Sonaps.
- Laptop or workstation with shared local or external storage.
- SD /HD operation with native editing of all major broadcast formats.
- We can have XpriNS Team business in FY13.

Be PROUD and LOUD about these GREAT solutions.

# Media Backbone

Conductor and Navigator

## Workflow Management and System Orchestration Platform

### What is it?

- MBC is a Service Orientated Architecture (SOA) based Media Workflow Management and Orchestration platform.
- A core Component in Sony's Vision for a truly end-to-end tapeless World.
- Enabling best of breed applications and platforms to work together seamlessly by simplifying the integration process.
- Platform is based on an open Enterprise class SOA platform from Software AG of Germany.
- "Tuned" for Media through Sony's unrivalled knowledge and experience.
- "Navigator" the optional Content Management System for MBC, providing users with an elegant user interface and extensive tools to file, catalogue, search and browse content that is under the management of MBC.

### Customer Benefits

- Simplifies the integration of systems and applications found across a broadcasters enterprise leading to greater business agility
- Drives greater efficiency by Consolidating Common Services and Automating non creative tasks and processes.
- Provides Greater visibility of how their business is running through the use of KPI's and performance Dashboards.
- Supports the integration of legacy systems extending their original ROI
- Future Proof –Enterprise Class reliability and scalability and Agnostic to Formats, Codec's, Storage, Networks etc.
- Open platform - Customer can develop and deploy their own workflows, and both Customers and partners can develop their own services and application interfaces.
- "Navigator" enables greater access to content stored right across their enterprise from a single user interface leading to improved collaboration and repurposing of valuable material.

>>>

# Media Backbone

## Conductor and Navigator

<<<

### What is Sony's Added Value?

- Custom development – Sony creates bespoke “Service Adapters” to link Customers Applications and Services to a common Bus (ESB).
- Customer understanding – By talking with the customer we are able to design and implement Business Processes that drive the system.
- Customised User GUI's – optimised for “Creative” Users.
- End-to-end services offering – We have the capability to deliver the entire Services package including consultancy, design, implementation and support.
- We talk the customers language. Media and Broadcast!

### What's New at IBC 2013

- The Current Version 1.31 will be on show. New feature include:
- New Integrations which will be previewed at the show include
- Ci – Cloud services
- Optical Disc Archive Library Integration with “Q-star” HSM
- Low cost Ingest platform using “Blue Lucy Media”
- Adobe Premier NLE Integration
- MAC Version of Navigator

### Success stories to Share

- We have new Wins since NAB 2013 with CTV in Italy, Full Sale Uni, Weather Channel and Wells Fargo in the US
- We now have system installed/being installed at RSI, FTV, Publisuisse, BBC, TPC and NBC Sports.

### FIMS Integration Project update

- Project lead by EBU and AWMA.
- Looking to standardize the development of service interfaces.
- V1 is now available and covers, Ingest, transcode and File movement services.
- V2 is now under discussion, and a “Repository Service” is the current priority
- Sony is a key partner and driver behind the project along with other vendors and key customers
- 

### Route to Market

- Direct Model only currently, delivered by our SI Group but we are starting to discuss other possibilities with local ISI's
- Suitable for the top 60-70-broadcasters in Europe.

# Optical Disc Archive Solutions

## What is it?

The innovative Archive solutions from Sony are based entirely on a optical disc-based storage system.

The Blu-ray technology used inherits some key attributes from Sony's proven Professional Disc (XDCAM) format. The system involves the use of multiple Blu ray discs contained within a very robust cartridge, providing a choice of media types and capacities.

Optical disc technology is extremely robust and average media life is estimated at around 50 years, which is substantially longer than other data storage and tape based media on the market. It also ensures intergenerational compatibility with future generations of the optical disc drive, which significantly reduces future media consumption and avoids the risk of data corruption associated with frequent 'forced' data migration, due to media and drive obsolescence.

## High Reliability

By its nature, optical disc technology is highly durable and resilient in a wide range of environmental conditions. The simple structure and the robustness of the media make it ideal for shelf archiving and material exchange. Furthermore, since this system doesn't require frequent data migration, you can protect your valuable data from corruption that typically occurs during data migration.

## Product and Solutions Availability

There are now available several products and solutions that fit the broad majority of Customer archival requirements. Ranging from simple standalone drives (ODS-D55U and ODS-D77U) which can be utilised in the small ODS-L10 library, through to the enterprise class automated Optical Disc Archive PetaSite library which employs the new ODS-L30M base library with the fibre channel interface ODS-D77F drive, for easy integration into a Customer's existing SAN archive infrastructure. This makes the Optical Disc Archive solution a complimentary technology to co-exist within existing IT based storage and archive environments.

# Optical Disc Archive Solutions

## Key Features and Benefits

- Very long term/deep archive media, 50+ yrs archive life and very long term off-line vaulting (shelf).
- Significantly reduces the Total Cost of Ownership over the life of the archive.
- No backward read compatibility issues. No forced media migration. Future proofing content.
- Eco friendly, significant reduction in environmental management and long term storage costs.
- Optical Disc cartridge, mounted as a single 'volume' (easy 'Drag and Drop').
- Random file access. Ideal for partial file retrieval.
- Optical Disc architecture is complimentary to Data Tape archive solutions. They co-exist in same archive infrastructure.

## Low Total Cost of Ownership

To keep the cost of media asset management to a minimum over the extended life of the assets in the archive, the system is designed to be simple, affordable, and eco-friendly. Moreover, with its longevity and generational compatibility, coupled with low power consumption and a wide range of acceptable storage conditions, the Optical Disc Archive system significantly reduces the total cost of ownership.

## Open Platform

We make the platform open, and have established alliances with industry partners with a view to promoting further utilization of the technology and enhancing the system through collaboration and multi-sourcing of key components.

The following manufacturers have already expressed their support for the Optical Disc Archive:

Adobe, ASG-Atempo, AVID, Dalet, Front Porch Digital, Harris, Qstar, SGL, Square Box Systems Ltd, Vizrt.



# ODS-L10

## Optical Disc Archive 10-Slot library

The Optical Disc Archive ODS-L10 is a 10-slot compact robotic library. High reliability is achieved with incredibly durable optical discs, and it is as easy to use as conventional external storage devices. Additionally, as it employs removable media and as you can archive rarely accessed data on shelves, you need not worry about exceeding storage capacity limits.

With all these qualities, this mini robotic library makes shelf-based archive management easier and more efficient.

The library comes with File Manager software that allows up to 5 users to individually access the library.



| Market   | Applications   |
|--|--|
| Broadcast, Post and Pre Production, National Archives, Medical, Aerospace, small network users, anywhere that requires access to content for very long archive periods | Designed for those with small- to medium-scale production systems, where media assets are managed by several users |

| Top Features  | Advantages   | Benefits                    |
|---|--|-----------------------------|
| Holds up to two ODS-D55U or ODS-D77U (USB) Optical Disc Archive drives in a 5U, 19-inch rack-mountable chassis                                    | Maximum of ten cartridges, and a built-in robotic mechanism  | Mini robotic library        |
| Has a web-based application for immediate use and can be accessed by up to five clients simultaneously  | Can configure your system to fit your needs  | Great flexibility           |
| Contains up to ten cartridges, storing a maximum of 15 TB with ten ODC1500R cartridges, and you can use different cartridges per category or user | Placeholder to archive together multiple files from different folders and add text metadata when archiving files | Categorisation by cartridge |

# ODS-L30M

PetaSite Optical Disc Archive  
30-slot master library unit

The ODS-L30M forms the basis of the new PetaSite Optical Disc Archive Library that is easily scalable with ODS-L60E (drive and cartridge) and ODS-L100E (cartridge only) extension units. A total of five extension units maximum can attach to the ODS-L30M to make up a single 42U library offering a maximum 535 cartridges (802TB), depending on the extension units used.

The new PetaSite library provides a web services GUI making it easy for the HSM vendor to integrate their management software application to the OD PetaSite. Globally there are several well known HSM partners who are fully integrating the OD PetaSite into their archive management infrastructure. A list of HSM integration Partners is available on request.

The library comes with File Manager software that allows up to 5 users to individually access the library.

| Market  | Applications   |
|---|--|
| Broadcast, Post and Pre Production, National Archives, Medical, Aerospace, anywhere that requires access to content for very long archive periods | 2nd site, business continuity/disaster recovery, post house and production back-up and for video, film and stock footage archives or national archives |

| Top Features   | Advantages  | Benefits   |
|--|---|--|
| Holds up to two ODS-D77F (fibre) Optical Disc Archive drives, a maximum of 30 cartridges, and a built-in robotic mechanism in a 7U, 19-inch rack-mountable chassis | Base unit for PetaSite Optical Disc Archive scalable library                    | Ideal for deep/long term archive and with the D77F drives installed as a near-online archive |
| Operations can be managed by HSM application allowing auto-operation on all Optical Disc cartridges  | Can co-exist with any LTO or data tape library in a standard SAN infrastructure | Provides a cost effective, long term archiving solution                                      |
| Contains up to 30 cartridges, storing a maximum of 45 TB with 30 ODC-1500R cartridges  | You can use different cartridges per category or user                           | Categorisation by cartridge  |

# ODS-L60E

PetaSite Optical Disc Archive library  
expansion unit (drive and cartridge)

The ODS-L60E extends the PetaSite Optical Disc Archive, operating alongside the ODS-L30M and ODS-L100E (cartridge only) expansion units. A total of five expansion units maximum can attach to the ODS-L10M to make up a single 42U library offering a maximum 535 cartridges (802TB), depending on the extension units used.

| Market  | Applications   |
|---|--|
| Broadcast, Post and Pre Production, National Archives, Medical, Aerospace, anywhere that requires access to content for very long archive periods | 2nd site, business continuity/disaster recovery, post house and production back-up and for video, film and stock footage archives or national archives |

| Top Features  | Advantages  | Benefits   |
|---|---|--|
| Holds up to four ODS-D77F (fibre) Optical Disc Archive drives, a maximum of 61 cartridges, and a built-in robotic mechanism in a 7U, 19-inch rack-mountable chassis | PetaSite Optical Disc Archive scalable library  | Ideal for deep/long term archive and with the D77F drives installed as a near-online archive |
| Operations can be managed by HSM application allowing auto-operation on all Optical Disc cartridges   | Can co-exist with any LTO or data tape library in a standard SAN infrastructure                               | Provides a cost effective, long term archiving solution                                      |
| Contains up to 61 cartridges  | You can use different cartridges per category or user   | Categorisation by cartridge  |
| Expand library with up to five extension units attached to ODS-L30M   | Make up a single 42U library offering a maximum 535 cartridges (802TB), depending on the extension units used | Extends the PetaSite Optical Disc Archive  |

# ODS-L100E

PetaSite Optical Disc Archive library  
expansion unit (cartridge only)

The ODS-L100E extends the PetaSite Optical Disc Archive, operating alongside the ODS-L30M and ODS-L60E (drive and cartridge) expansion units. A total of five expansion units maximum can attach to the ODS-L10M to make up a single 42U library offering a maximum 535 cartridges (802TB), depending on the extension units used.

| Market  | Applications   |
|---|--|
| Broadcast, Post and Pre Production, National Archives, Medical, Aerospace, anywhere that requires access to content for very long archive periods | 2nd site, business continuity/disaster recovery, post house and production back-up and for video, film and stock footage archives or national archives |

| Top Features  | Advantages  | Benefits  |
|---|---|---|
| Holds up to a maximum of 101 cartridges, and a built-in robotic mechanism in a 7U, 19-inch rack-mountable chassis | PetaSite Optical Disc Archive scalable library  | Ideal for deep archive and near-online archive          |
| Operations can be managed by HSM application allowing auto-operation on all Optical Disc cartridges               | Can co-exist with any LTO or data tape library in a standard SAN infrastructure                               | Provides a cost effective, long term archiving solution |
| Contains up to 101 cartridges   | You can use different cartridges per category or user   | Categorisation by cartridge                             |
| Expand library with up to five extension units attached to ODS-L30M   | Make up a single 42U library offering a maximum 535 cartridges (802TB), depending on the extension units used | Extends the PetaSite Optical Disc Archive               |

# Optical Disc Archive File Manager

Software control for Optical Disc Archive  
libraries

After File Manager software is installed on a host computer, all operations are controlled with a web-based GUI from each client computer. It uses a simple Drag & Drop operation to archive and retrieve files and provides the opportunity for the user to add text metadata when archiving files.

ODS-L10 and ODS-L30M library systems come with File Manager software that allows up to 5 users to individually access the library.

| Market  | Applications   |
|---|--|
| Broadcast, Post and Pre Production, National Archives, Medical, Aerospace, anywhere that requires access to content for very long archive periods | 2nd site, business continuity/disaster recovery, post house and production back-up and for video, film and stock footage archives or national archives |

| Top Features                                      | Advantages   | Benefits  |
|---|--|---|
| Control all library operations with web-based GUI | Uses a simple Drag & Drop operation to archive and retrieve files  | Provides the opportunity for the user to add text metadata when archiving files |
| PC and Mac operation                              | Software requires Windows 7 or 8 for the host computer and Windows 7 or Mac OS X for the client computer | Flexibility of use  |

# ODS-D55U

Optical Disc Archive standalone drive unit

The Optical Disc Archive System is a newly-developed optical drive and data cartridge. The robustness and reliability of optical discs makes it the ideal archiving solution for preserving assets for the very long term.



The drive unit can be easily integrated with a PC or Mac with the driver utility software provided via a standard USB3.0 interface. The cartridge is file format independent, writing files as data, whilst presenting the 300 GB up to 1.5 TB cartridges as a single large volume storage medium.

The Optical Disc Archive standalone drive unit comes with Sony's simple Content Manager application for ease of managing assets, generating a proxy copy and providing search and metadata entry functions.

## Top Feature

A cartridge comprises 12 Optical Discs, presented as a single large volume

### Market

Broadcast, Post and Pre Production, National Archives, Medical, Aerospace, anywhere that requires access to content for very long archive periods

### Applications

Second archive, continuity/disaster recovery, vaulting/shelf assets for the very long term, on-line proxy copies, news and sports clips, faster access than tape

>>>

# ODS-D55U

Optical Disc Archive standalone drive unit

<<<

| Top features   | Advantages  | Benefits   |
|--|---|--|
| No backward compatibility issues and no second generation media migration is necessary | Maintains backwards read compatibility with future optical disc drives    | Very long shelf life   |
| Reliable and robust storage  | Offers a 50+ years archive life   | Very long shelf life   |
| Choice of media types and capacities   | Total 300 GB up to 1.5 TB capacity, in Re-writable and Write Once formats | Files can be accessed directly and randomly for flexibility and quicker access |
| File format independent  | Any kind of data format can be archived                                   | Increased flexibility  |

Availability: Now



## Cartridge line-up

| Capacity | Model-number | Type       |
|----------|--------------|------------|
| 300GB    | ODC-300R     | Write-once |
|          | ODC-300RE    | Rewritable |
| 600GB    | ODC-600R     | Write-once |
|          | ODC-600RE    | Rewritable |
| 1.2TB    | ODC-1200RE   | Rewritable |
| 1.5TB    | ODC-1500R    | Write-once |

# ODS-D77U

## Optical Disc Archive standalone drive unit

Optical Disc Archive standalone drive unit with transfer speeds nearly double of the current ODS-D55U drive. The drive unit handles a single optical disc cartridge that offers an alternative to LTO or traditional forms of data tape for the longer-term archiving of valuable assets. With a low total cost of ownership, the Sony optical disc cartridge offers very fast random access to all content and files. The innovative drive design provides for a 'quad channel' capability and, being file format independent, it can store your assets in any data file format.



The Optical Disc Archive standalone drive unit comes with Sony's simple Content Manager application for ease of managing assets, generating a proxy copy and providing search and metadata entry functions.

| Market  | Applications   |
|---|--|
| Broadcast, Post and Pre Production, National Archives, Medical, Aerospace, anywhere that requires access to content for very long archive periods | Second archive, continuity/disaster recovery, vaulting/shelf assets for the very long term, on-line proxy copies, news and sports clips, faster access than tape |

| Top Features   | Advantages  | Benefits                                    |
|--|---|---|
| Very fast transfer speeds  | Total 300 GB up to 1.5 TB capacity, in Re-writable and Write Once formats | Fast random access to all content and files |
| USB 3.0 interface  | Standalone drive unit is 'plug and play'                                  | Ease of connectivity                        |
| Very low power consumption   | Power consumption of 38W  | Contributes to low total cost of ownership  |
| Optical disc cartridges are available in 300 GB, 600 GB, 1.2 TB and 1.5 TB capacity sizes, in re-writable and write-once formats | Optical disc cartridges mounted as a single large volume                  | File access very simple                     |



# ODS-D77F

Optical Disc Archive fibre drive unit  
for ODS-L30M

Optical Disc Archive standalone drive unit with transfer speeds nearly double of the current ODS-D55U drive. The drive unit handles a single optical disc cartridge that offers an alternative to LTO or traditional forms of data tape for the longer-term archiving of valuable assets. With a low total cost of ownership, the Sony optical disc cartridge offers very fast random access to all content and files. The innovative drive design provides for a 'quad channel' capability and, being file format independent, it can store your assets in any data file format.

| Market  | Applications   |
|---|--|
| Broadcast, Post and Pre Production, National Archives, Medical, Aerospace, anywhere that requires access to content for very long archive periods | Second archive, continuity/disaster recovery, vaulting/shelf assets for the very long term, on-line proxy copies, news and sports clips, faster access than tape |

| Top Features   | Advantages  | Benefits                                    |
|--|---|---|
| Very fast transfer speeds  | Total 300 GB up to 1.5 TB capacity, in Re-writable and Write Once formats | Fast random access to all content and files |
| USB 3.0 interface  | Standalone drive unit is 'plug and play'                                  | Ease of connectivity                        |
| Very low power consumption   | Power consumption of 38W  | Contributes to low total cost of ownership  |
| Optical disc cartridges are available in 300 GB, 600 GB, 1.2 TB and 1.5 TB capacity sizes, in re-writable and write-once formats | Optical disc cartridges mounted as a single large volume                  | File access very simple                     |

# Media Backbone

XDCAM Archive

## Turnkey File-based Content Archive System



The XDCAM Archive is a turnkey file-based content archive management solution that is capable of ingesting and exchanging of AV contents via the network. In order to manage a good amount of precious data, the XDCAM Archive offers users quick file-based search capabilities such as metadata searches and preview function with light-size proxy data. The XDCAM Archive provides both the online archive function and the offline shelf archive function with the disc media, which is suitable for continuous use and long-term archive.

With its simple and compact turnkey system configuration, the XDCAM Archive is a perfect fit for cost-conscious users aiming to manage their original contents at branch office.

### Key Messages

- V1.5.1.
- Expandable capacity with Network Attached Storage (NAS).
- Existent Database of other system can be imported to XDCAM Archive in CSV format.
- Legacy tape migration to disc by SDI Ingest.
- More codec support : DVCPro Series, ProRes, DNxHD, AVCHD.
- Integration with Sonaps, XPRI NS, FCP.
- Storyboarding & Clip List (XDCAM EDL) support.
- Metadata field customisation.
- New low-cost configuration (1 server) is ready to release in summer.

### What's New at IBC 2012

- V1.5.1 software with smaller hardware & storage expandability.

| Market                       | Applications   |
|------------------------------|--|
| Broadcasters and productions | File-based content management for divisions and local stations |

>>>

# Media Backbone

XDCAM Archive

<<<

## Top Features

- Variety of supported formats for ingest such as XDCAM, EX, NXCAM, P2 (DVCPRO), and SDI.
- Web application & remote access.
- Storyboarding.
- Integration with FCP.
- Transcoding video tape and 3rd party formats to XDCAM MXF.

## Advantages

- Can import database of other system in CSV format.
- Compatibility with XDCAM devices.
- Professional Disc life for archiving.

## Benefits

- Can start file-based content management with low budget.
- Storage capacity expansion allows later decision for offline archive media.

## Comments

Plug and Play: as it says turnkey, users can start using the system in a short time, only after set IP address. Web application allows minimizing the installation time as well.

Web Service API: to exchange the materials and metadata of the XDA system with 3rd party systems, Web Service API can be used. Instruction documents for API and XDA's metadata exchange scheme are provided.

Database import: A lot of content holders using Microsoft Excel or other software to record information such as tape title, time code, date, etc, for video tape content management with shelf. XDA V1.5.1 allows CSV data to be imported as a table of metadata to support above tape users. In this process, conversion may be necessary to make the database compatible with XDA. And this conversion is charge-based service.

# Professional Services

## The 10 P's of Professional Services

- **People** – we have the knowledge and experience
- **Promise** – to deliver bespoke solutions to meet our customers' needs
- **Proven** track record of our achievements Portfolio
- **Partners** – we integrate partner solutions to meet our customers' vision
- **Process** – our project management skills
- **PC's** (IT technology) – our IT capabilities as well as core broadcast experience
- **Presence** – our geographic spread across Europe
- **Prime Contracting** – our ability to take on large scale projects
- **Professional** – the Sony Team!

## Contact

Blair, Daryl +44 7733 306 093

# Support Group

## Engineering

- Offering Prime Support packages from viewfinders to Sonaps systems created by a team of 6 Contract Designers
- Delivery of onsite support through approx. 60 Field Engineers across Europe
- Repairs carried out at Sony Pencoed (UK), Sony Alsace (FR) and network of Authorised Service Centres
- European Helpdesk with 8 Technicians: 00 800 7669 0000 covering French, German, English, Spanish, Italian

## Contacts at IBC

John Cooper -

Head of Technical Engineering

+44 7786 115 196

Bernd Rauch -

Head of Live Production Service & Support

+4922129262340

# Value Added Services

IBC 2013



The Sony's Value Added Services team, will be found in different areas of the stand at IBC 2013. Training and Financial Services will be grouped together and can be found in between the switchers area and meeting rooms, towards the left hand corner of the stand. The Service & Support team will located in the back right-hand corner of the stand at the Media Solutions area.

Please remember to include Financial Services, Service and Support and Training in your customer discussions and IBC stand tours.

Value Added Services are key differentiators for our Professional Solutions Europe business proposition. It is more important than ever that that our customers are aware of the range of services that are provided –make sure they know just how much more we offer!

>>>

# Value Added Services

IBC 2013

<<<



service & support

**Protection and peace of mind. Ensure business continuity with Support from Sony**

**PrimeSupport and PrimeSupport + packages are only available on selected models purchased within the European Union**

Sony's PrimeSupport packages get you back up and running in next to no time if you have a problem ensuring your business continues to run smoothly:

- Complete piece of mind for your equipment, known cost of ownership for 2 years from purchase, optional 3 year contracts also available
- SONY trained Repair Facilities using up-to-date technology ensure your product is repaired by the highest quality engineers.
- Complete process ownership from collection of the unit to delivery back to the customer

Sony's PrimeSupport+ packages give you the added benefit of enhanced Support Levels with a choice of options to suit your needs including:

- Extended Hours Access to Sony's best Engineers
- Software and Preventative Maintenance Packages
- Access to Critical Spares delivered Next Business Day\*
- Loan Units for repairs taking longer than 7 days\*
- On-site Engineering visits to help you set up and configure your Camera Chains or Switchers\*.

Sony's Tailored packages are designed for those requiring a bespoke after-sales support and service contract that precisely meet your specific requirements and priorities. Available for 3, 5, 7 and 10-year terms with guaranteed Service Levels to suit your needs.

For more information, please contact:  
[PSEContractDesign@eu.sony.com](mailto:PSEContractDesign@eu.sony.com)

\*Terms and Conditions Apply

>>>

# Value Added Services

IBC 2013

<<<



## Education and knowledge from the Training Team

The Training Team is dedicated to accelerating the skills, education and knowledge of broadcast professionals through the provision of quality, cost effective training in local language.

Our courses can be tailored to suit the customer's needs whether face-to-face or via e-Learning. Our e-Learning platform is called The Knowledge Portal and can be found at:  
[www.pro.sony.eu/training](http://www.pro.sony.eu/training).

This e-Learning platform is designed to increase our dealers' and end-user customers' knowledge about Broadcast, Professional and Business Solutions from Sony.

The Training Team also offers on-site, face-to-face training with talented Independent Certified Experts (ICE) currently working in the industry. Independent Certified Experts (ICEs) share their hands-on experience bringing Sony's customers up to speed on best practice in production both pre and post, all in local language.

Our ICEs also support Sony by running masterclasses and seminars. Whether an international blue chip company, a small local business or an individual, the Training Team can help identify the customer's training needs and will provide the training expertise required. All at a time and place to suit the customer.

>>>



# Value Added Services

IBC 2013

<<<



financial services

## **Finance solutions designed to give your customers freedom and flexibility to upgrade their technology**

Sony's Financial Services finance and leasing solutions are designed to help maximise the potential of your customer's business. A range of flexible options, which can be tailored to meet individual business needs, gives your customer the freedom and flexibility to move with the times and upgrade technology when their business environment demands it, making sure they are always as efficient and competitive as possible.

Upfront capital outlay in a technology-driven world is rarely the most appropriate way to acquire equipment. Leasing makes sound business sense, spreading the cost of acquisitions over a manageable period of time to suit your customer's business and cash-flow.

From simple leasing arrangements over 2 - 5 years with ownership at the end of the term, rental solutions with in-built technology refresh options, or operating leases delivering potential off-balance sheet benefits; ask your customers early on in your sales discussions how they are planning to pay for their acquisition and if leasing is interesting for them?

You don't have to be a leasing expert – just bring Sony's Financial Services Funder Account Managers into your customer discussions as early as possible, and we will work together with you and your customer to help identify and meet their needs.

**New 0% finance promotion available from the 13th September. Please refer to the next page for details.**

>>>

# Value Added Services

IBC 2013



financial services

## New Sony's Financial Services Finance Promotion

**24 months 0% finance \***

**Minimum value of promotional products leased €10,000 \*\***

**Available on all Sony Professional 2/3-inch Camcorders, System Cameras, BRC Cameras, CineAlta Digital Motion Picture Cameras, Monitors, Switchers, Decks and Audio products and accessories**

\* Finance rate or term may differ in selected countries due to country specific leasing legislation.

\*\* Value may differ depending on currency

Please check your Sony's Financial Services (SFS) Promotion Bulletin for full details of the finance offer in your country, and for a full list of the qualifying models and accessories covered on this finance promotion.

### SFS Funder Contacts:

SFS Funder contact details for your country of business are included within your SFS Promotion Bulletin. If for any reason you have not received a copy of your Bulletin for this promotion, please email your Sony Account Manager cc. [michelle.simpson@eu.sony.com](mailto:michelle.simpson@eu.sony.com), and a copy will be issued to you by return.

Start Date: 13th September 2013

End Date: All lease applications by close of 25th September 2013

Thereafter all customer orders to be placed by close of 30th September 2013

Delivery takes place subject to product availability

Countries:

Austria, Belgium, Bosnia, Bulgaria, Croatia, Czech Republic, Denmark, Finland, France\*\*\*, Germany, Italy, Netherlands, Norway, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom and Republic of Ireland.

\*\*\* Offer in France differs from 24 months 0%; please refer to the Promotion Bulletin for France.

Availability of this new finance promotion for countries highlighted in red is subject to final SFS Funder approval which was still in progress at the time this Product Guide went to print.

Finance is for business customers only, and is subject to credit status. Terms and conditions apply.

Availability and specifications are  
subject to change without notice.

© Sony Corporation 2013

**SONY**  
make.believe