

FM-21HDR | 21.5-inch High Bright HDR Film Production Monitor



- 21.5" 1920x1080 non-glaring LCD
- 8-bit LCD, 12-bit internal process
- 1000 nits high bright
- 3G/HD/SD-SDI, HDMI and CVBS
- HDR LUTs: HLG & Dolby vision PQ
- Multi-camera logs to Rec.709
- DIT user 3DLUT cube upload by USB
- Waveform / Vector scope / Histogram
- 16-ch embedded audio meters
- Peaking focus assist with precision adjustment
- Exposure assist / Zebra / Blue only
- USB firmware upgrade
- V-mount or 4-pin XLR or AC input
- C-stand mountable (optional)

MSRP Ex TAX / Shipping

Features Specifications Download What's in box Optional accessory Related



21.5-inch 1000nit LCD

The FM-21HDR monitor adopts a 21.5 inch LCD panel with LED backlight, 1000nits high brightness. The native resolution is Full HD 1920x1080, contrast 1000:1, and viewing angle is Horizontal: 178° / Vertical: 178°

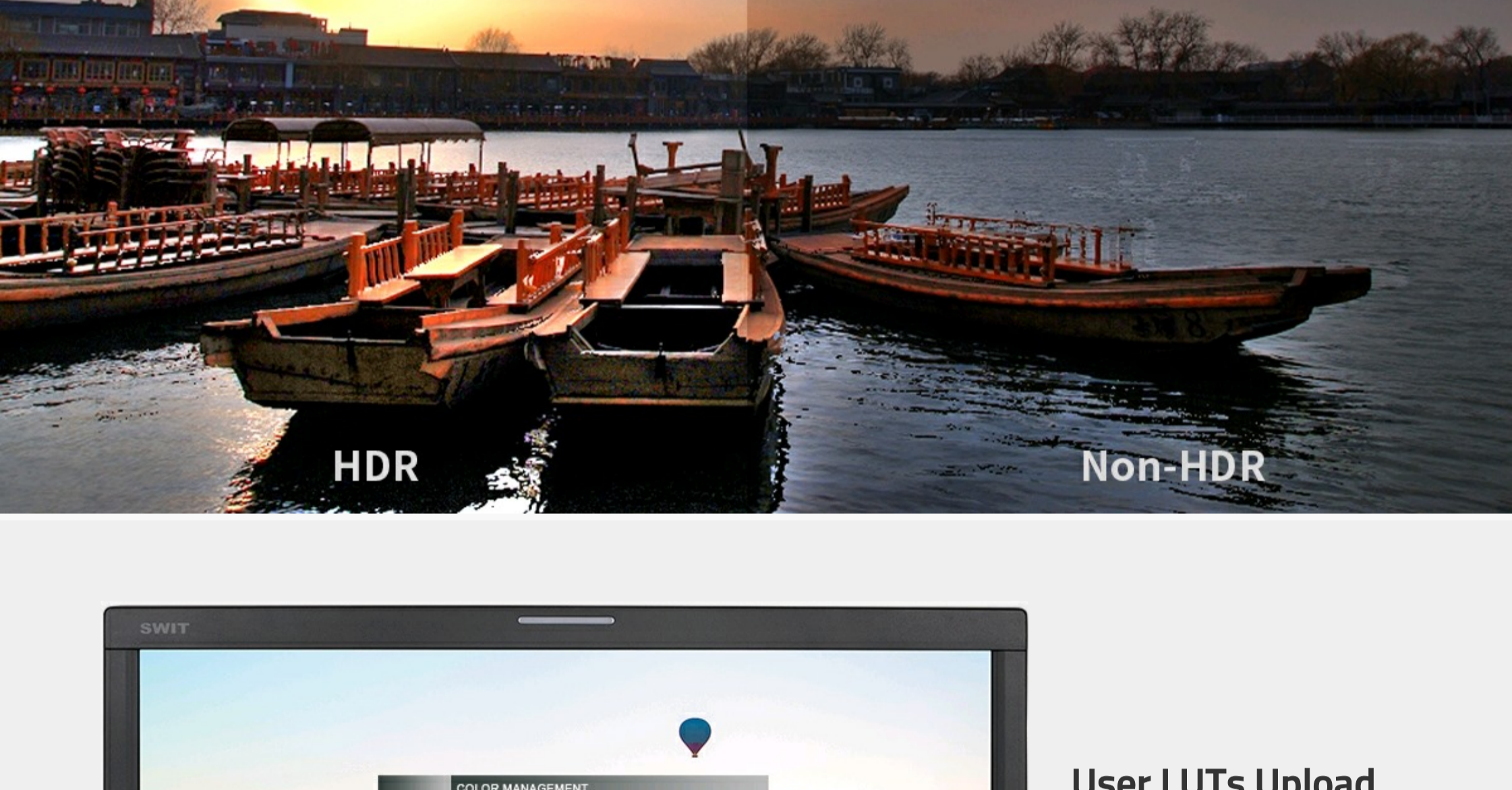
Input/Output Interfaces

- 3G-SDI, HDMI
- FM-21HDR monitor supports :
- 3G/HD/SD-SDI input x 2
 - 3G/HD/SD-SDI loop output x 1
 - HDMI 1.3 input x 1
 - 3.5mm analog audio input x 1
 - 3.5mm analog audio output x 1
 - RS485 UMD input x 1
 - RS485 UMD output x 1
 - USB-A LUT/Firmware input x 1



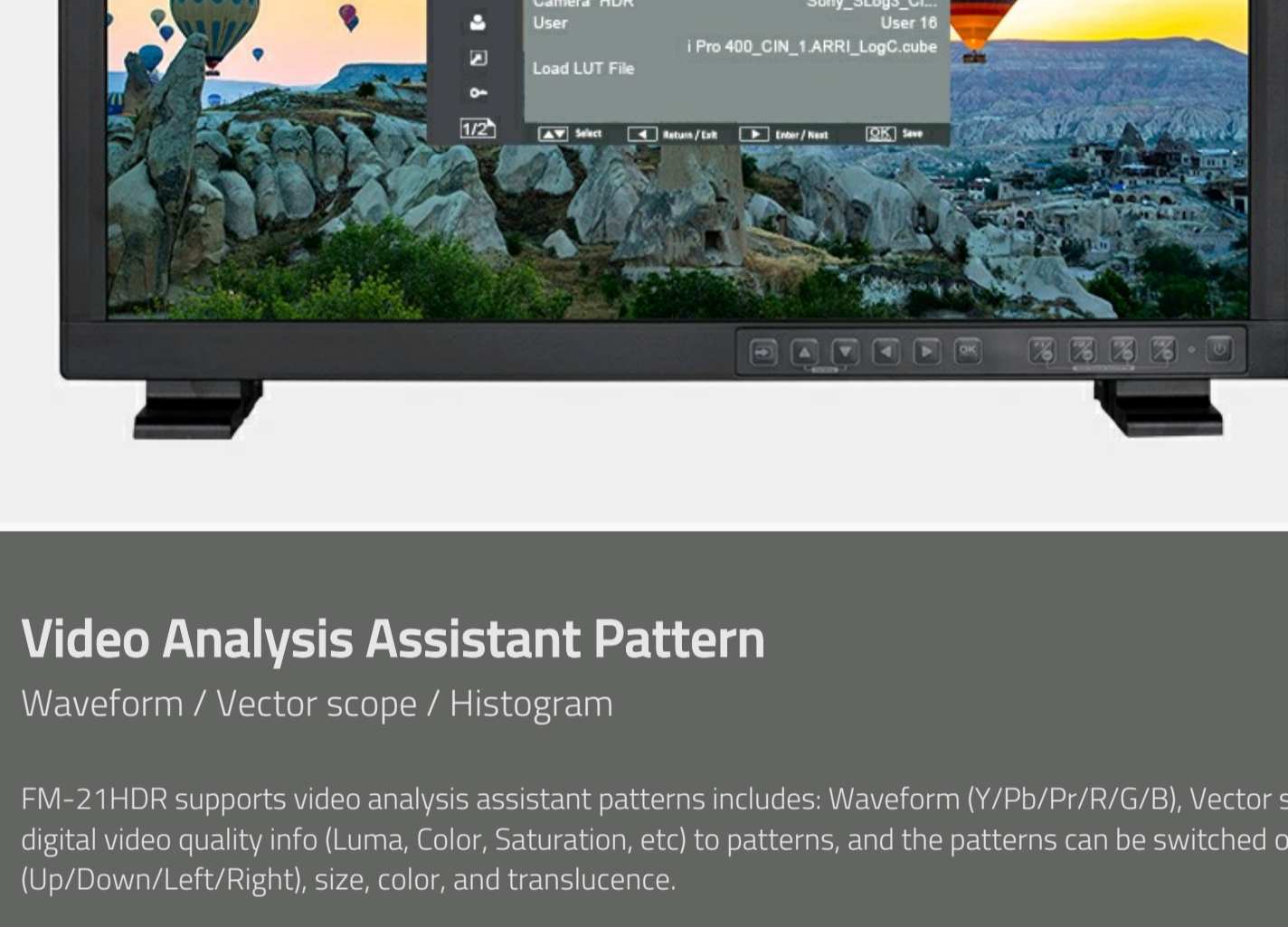
Built-in HDR/SDR LUTs

With 1000nit high brightness, FM-21HDR provides multi-camera logs to HLG/PQ HDR or Rec709 SDR monitoring, including: Log-C, S-log2/3, C-log2/3, V-log, RED log etc.



HDR

Non-HDR



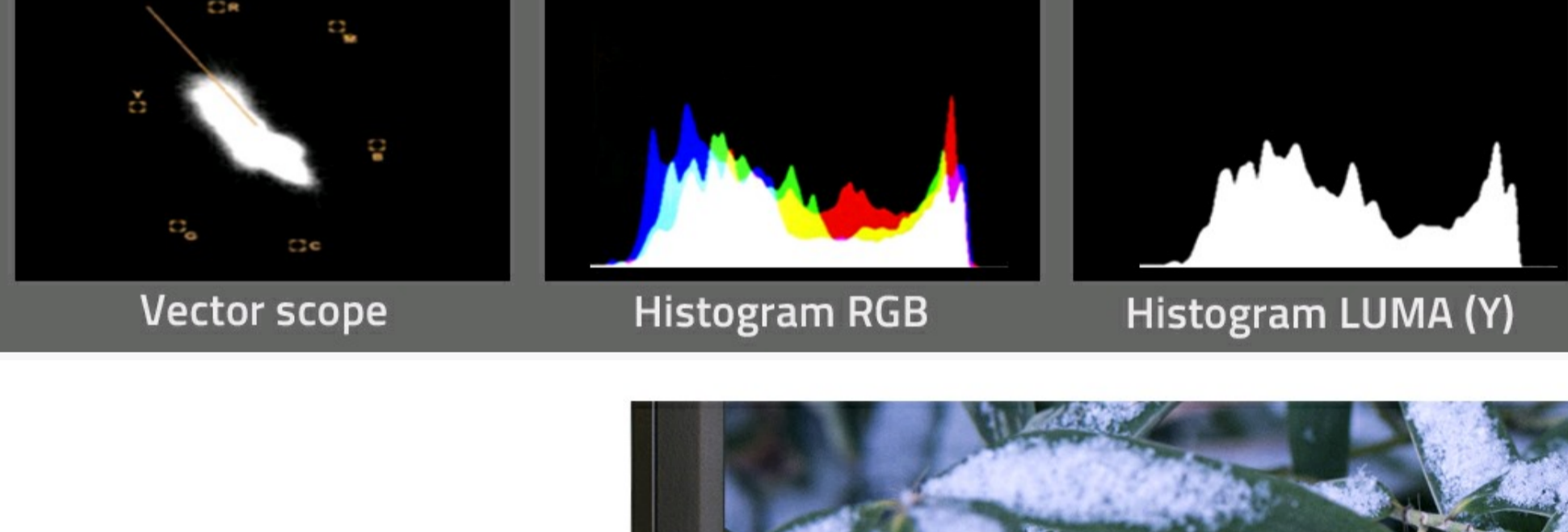
User LUTs Upload

You can upload User 3DLUT cube or Recalibrated 3DLUT cube by USB disk. (17x17x17 or 33x33x33 cubes, USB file system FAT32, Max 16x User LUTs can be restored.)

Video Analysis Assistant Pattern

Waveform / Vector scope / Histogram

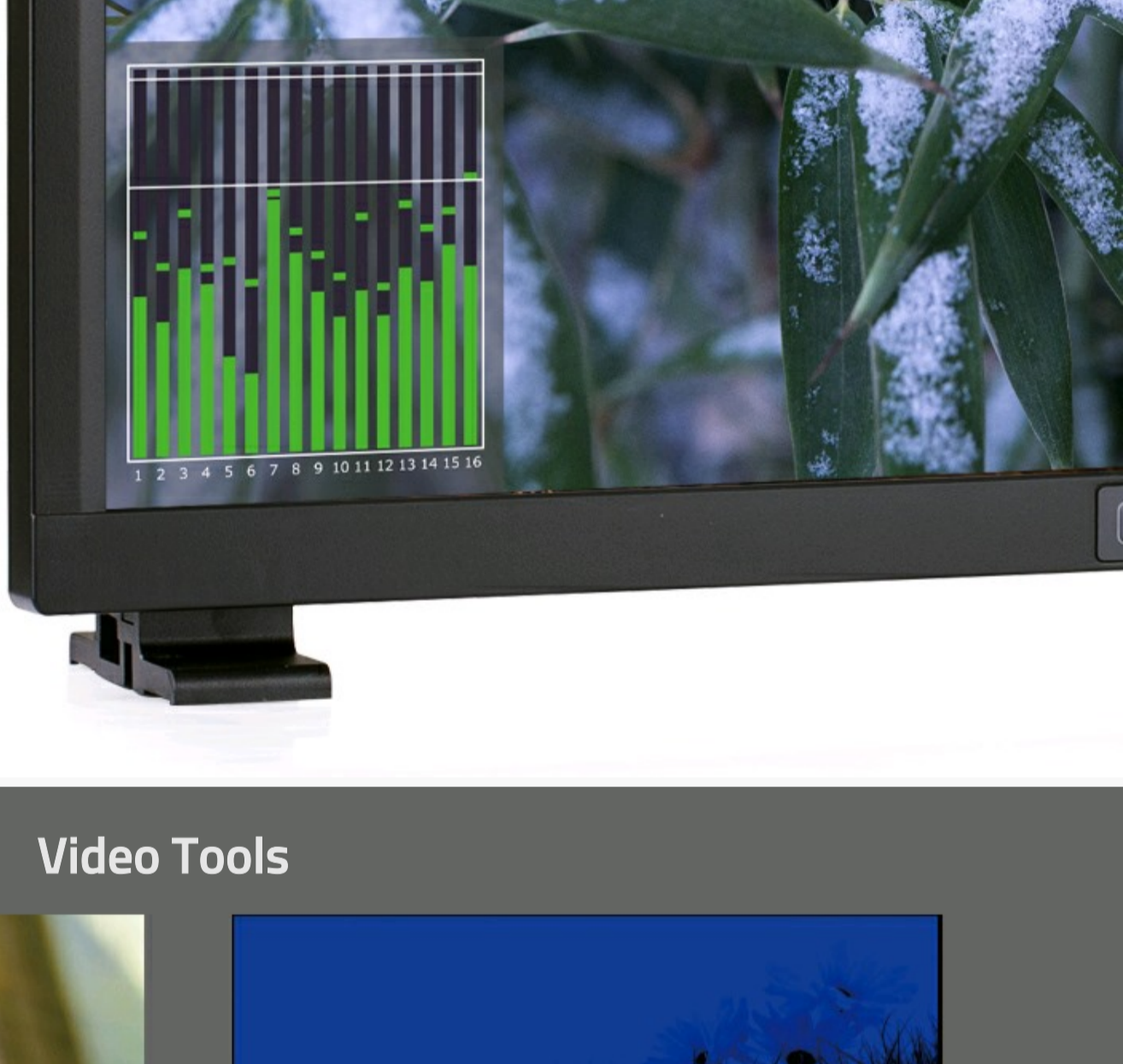
FM-21HDR supports video analysis assistant patterns includes: Waveform (Y/Pb/Pr/R/G/B), Zebra, Histogram (R/G/B/Y), to convert the digital video quality info (Luma, Color, Saturation, etc) to patterns, and the patterns can be switched on/off individually, select display position (Up/Down/Left/Right), size, color, and translucence.



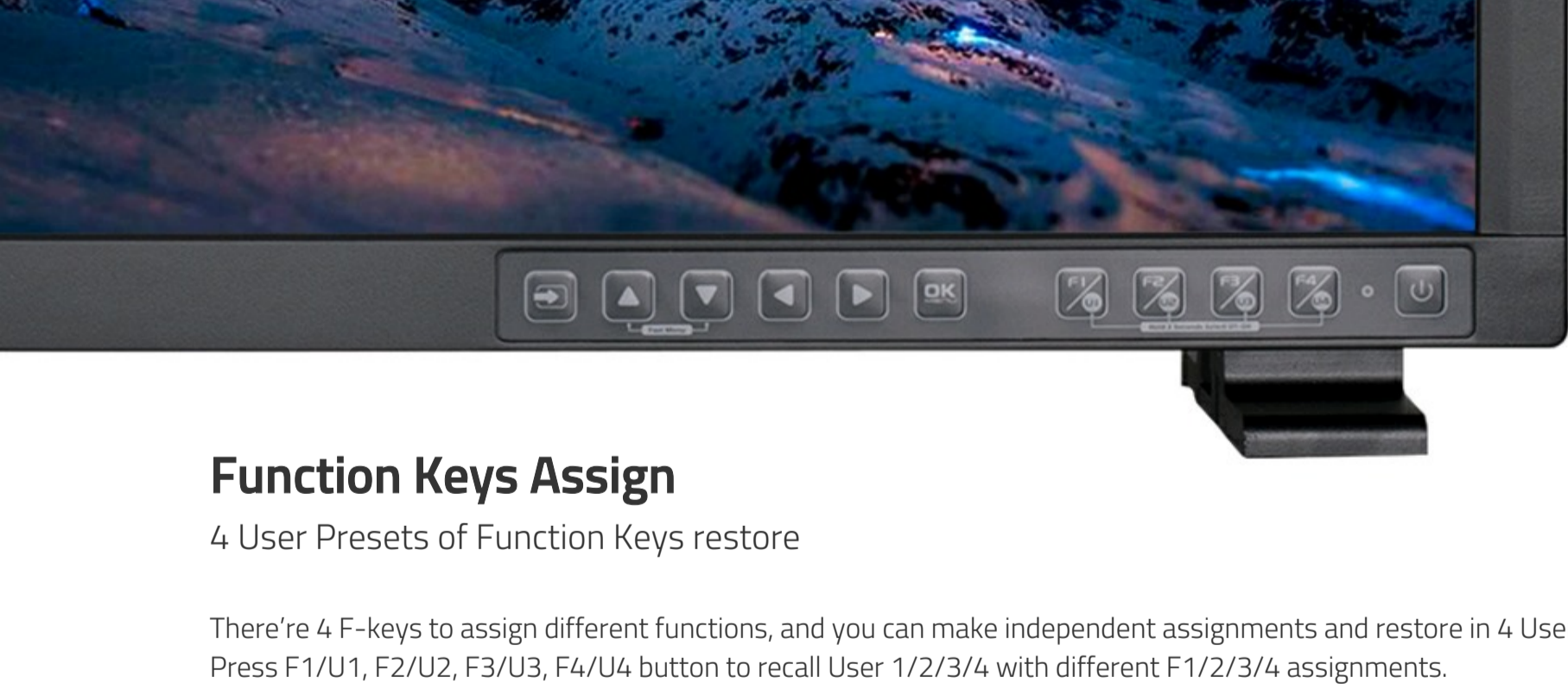
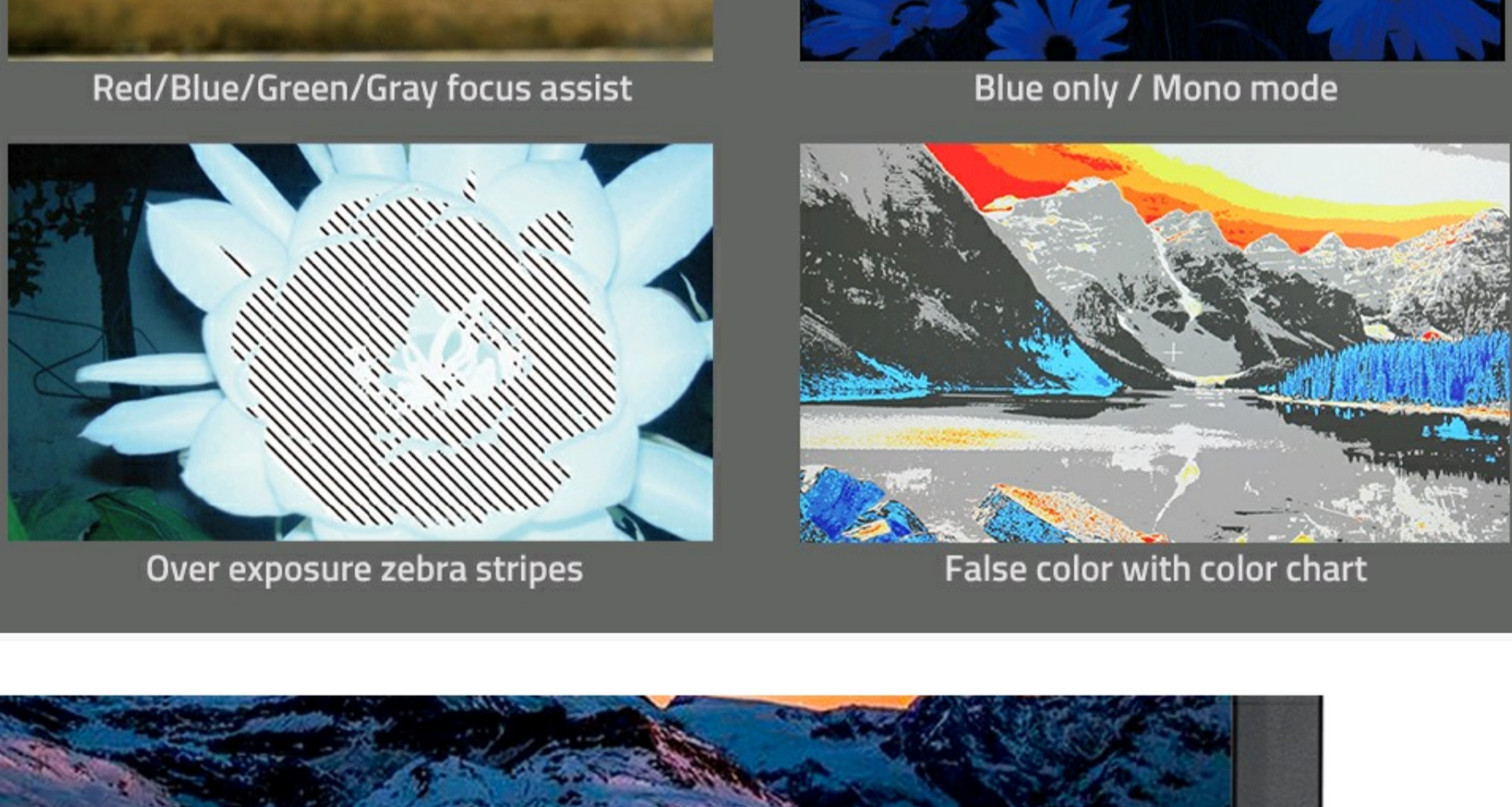
Embedded audio monitoring

Up to 16-ch meters

- The monitor can display 16-ch embedded audio meters. The display mode can be:
- CH1-2
 - CH1-16
 - CH1-4 and CH5-8
 - CH1-4 and CH9-12
 - CH1-4 and CH13-16
 - CH5-8 and CH9-12
 - CH5-8 and CH13-16
 - CH9-12 and CH13-16



Video Tools



Function Keys Assign

4 User Presets of Function Keys restore

There're 4 F-keys to assign different functions, and you can make independent assignments and restore in 4 User Profiles. Long Press F1/U1, F2/U2, F3/U3, F4/U4 button to recall User 1/2/3/4 with different F1/2/3/4 assignments.

TSL UMD and TALLY

FM-21HDR supports TSL 3.1 and 4.0 protocol UMD display and front TALLY light via RJ45 (RS485) port in the rear panel, input and output.



Various Power Input

V-mount / 4-pin XLR / AC

FM-21HDR provides 11-17V 4-pin XLR input and 100-240V AC input. A V-mount plate is pre-installed so that you can attach V-mount battery to power the monitor via D-tap to 4-pin XLR cable.

The power consumption is 55W.



FM series

Film Production Monitors



FM-17

17.3" FHD Production Monitor

- ◆ 17.3-inch, 1920×1080, 8-bit LCD, 12-bit process
- ◆ 3G/HD/SD-SDI, HDMI, CVBS monitoring
- ◆ Built-in multi cameras De-log LUTs and DIT LUTs upload by USB
- ◆ Waveform / Vector / Histogram / 16-ch Audio meters / Timecode
- ◆ Peaking / Focus assist / Exposure assist / Zebra / Blue only
- ◆ Anamorphic de-squeeze / Multiple markers
- ◆ Portable, light weight and C-stand setup



FM-21HDR

21.5" High Bright HDR Production Monitor

- ◆ 21.5-inch, 1920×1080, 8-bit LCD, 12-bit process, 1000nits high bright
- ◆ 3G/HD/SD-SDI, HDMI, CVBS monitoring
- ◆ HDR: HLG/BT.2100 & SMPTE ST 2084/Dolby vision PQ
- ◆ Built-in multi cameras De-log LUTs and DIT LUTs upload by USB
- ◆ Waveform / Vector / Histogram / 16-ch Audio meters / Timecode
- ◆ Peaking / Focus assist / Exposure assist / Zebra / Blue only
- ◆ Anamorphic de-squeeze / Multiple markers
- ◆ Portable, light weight and C-stand setup



FM-24DCI

24" DCI-P3 Gamut Post Production Monitor

- ◆ 24-inch, 1920×1200, 10-bit LCD, 12-bit process, 100% DCI-P3
- ◆ 3G/HD/SD-SDI, HDMI monitoring
- ◆ Built-in multi cameras De-log LUTs and DIT LUTs upload by USB
- ◆ SDI 1/2 Pic-in-Pic and Pic-by-Pic display
- ◆ Waveform / Vector / Histogram / 16-ch Audio meters / Timecode
- ◆ Peaking / Focus assist / Exposure assist / Zebra / Blue only
- ◆ Anamorphic de-squeeze / Multiple markers

Features

De-log LUTs

The FM series monitors pre-loaded camera de-log LUTs that convert the log mode gray image to REC709 color space.

Log mode
Gray image



Converted
to REC709

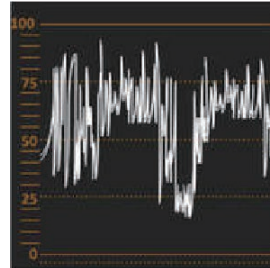


Includes:

- PANA VLOG V709
- CANON CINCL2 WDR
- CANON CINCL1 WDR
- PANAVISION R709
- SONY SL3C L709A
- SONY SL@ LC709A
- RED RLF RG3
- BMD PC FILM V2
- BMD CC FILM V
- ARRI LOG 70

Video Scopes

Waveform and Vector Scope can be used for SDI and HDMI. The Waveform can be set for upper and lower luminance threshold levels indicated by color.

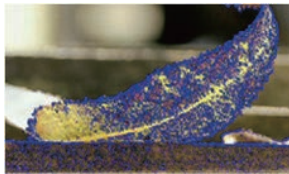


WAVEFORM



VECTOR

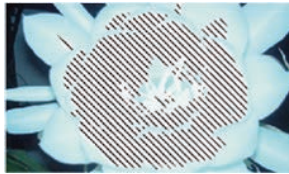
Video Assist



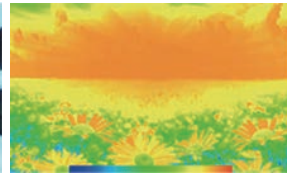
Red/Blue Peaking focus assist



R/G/B/Mono only mode



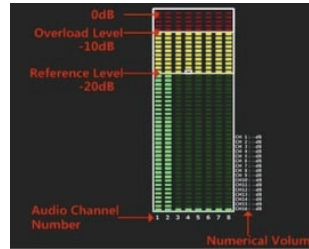
Over exposure zebra stripes



False color with color chart

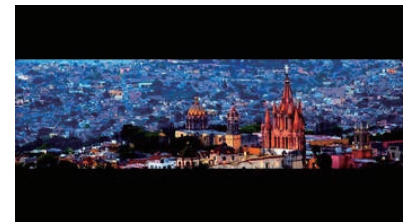
Audio Meters

Up to 16 Channels of SDI embedded or 2 channels of HDMI audio levels can be displayed with a choice of options including level reference settings and gain.



Anamorphic De-squeeze

Enables de-squeeze the image from a camera utilizing anamorphic lens, Aspect Formats: 16x9, 4x3, x1.3 Anamorphic De-Squeeze, x2.0 Anamorphic De-Squeeze, x2.0 MAG Anamorphic De-Squeeze



Specifications:

	Model	FM-17	FM-21HDR	FM-24DCI
Display	Size	17.3-inch	21.5-inch	24-inch
	Resolution	1920x1080	1920x1080	1920x1200
	Color depth	8-bit panel, 12-bit process	8-bit+2FRC panel, 12-bit process	10-bit panel, 12-bit process
	Color gamut	REC709	REC709	DCI P3
	Brightness	300nits	1000nits	250nits
	Contrast	800:1	1000:1	1000:1
	Backlight	LED	LED	LED
	Viewing angle	H/V 178°	H/V 178°	H/V 178°
Input	SDI	3G/HD/SD-SDI×2	3G/HD/SD-SDI×2	3G/HD/SD-SDI×2
	HDMI	HDMI 1.3×1	HDMI 1.3×1	HDMI 1.3×1
	Analog video	CVBS×1	CVBS×1	—
	Analog audio	3.5mm×1	3.5mm×1	—
Output	SDI	3G/HD/SD-SDI×1	3G/HD/SD-SDI×1	3G/HD/SD-SDI×2
	Analog audio	3.5mm×1; 4Ω5W speaker×2	3.5mm×1; 4Ω5W speaker×2	3.5mm×1; 4Ω5W speaker×2
Power	AC input	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz
	DC input	DC 11-17V/3A	DC 11-17V/3A	DC 12-17V/5A
	DC output	—	—	5V/1A USB×2; 12V/1.5A Batt out×1
	Power consumption	14W	55W	63W

SWIT





PROTECTIVE GLASS

PROTECTIVE GLASS

SUN HOOD

SUN HOOD

ACCESSORY MOUNTING PLATE

ACCESSORY MOUNTING PLATE

SWIT.

S-7006S

SDI1 OUT SDI1 IN



VIDEO IN SDI2 IN



HDMI IN



AUD IN

RS485



PIN	Signal
1, 2	CHD
3	Tx-
4	Rx+
5	Rx-
6	Tx+
7, 8	NC

DC IN 11-17V 3A

AC IN 100-240V 50/60Hz

! AB Or V Battery Only (11-17V)

SUN HOOD

PROTECTIVE GLASS

PROTECTIVE GLASS

C-Stand Mount

SWIT



