QUAD Series
CM215BSFX-3G4

21,5" HighBright HDR Quad-Split LCD Monitor
4 x 3G SDI Inputs | HDMI | DVI | Quad Split | High Bright 1.500 nits

General Information | Key Features | Specifications | Image gallery | Ordering info | Product Documents

Professional High Brightness 1500 cd/m2 LCD Monitor with built-in Quad Split and HDR Visualization

CM215BSFX-3G4 is a cost-effective **High Brightness 1500 cd/m2 21,5" IPS LED Backlight** LCD Monitor with **4 x 3G/HD/SD-SDI** Autosensing inputs and **4K downscale capability**. With high quality 12 bit image processing engine, the **CM215BSFX-3G4** is a space-saving, fanless and energy-efficient hardware based compact LCD Monitor with built-in Quad-split (no PC and no hard-drive) with low processing delay. **CM215BSFX-3G4** integrates a keyboard with user configurable direct keys and encoder to navigate through the OSD menu and control all the professional features as UMD & Tally, Aspect Ratio Selection, Markers, Real time color Waveform and Vectorscope, 16 Channel Audio Level Meters, Alarms, Timecodes, backlight and color temperature adjustment,...
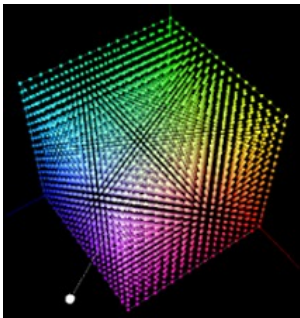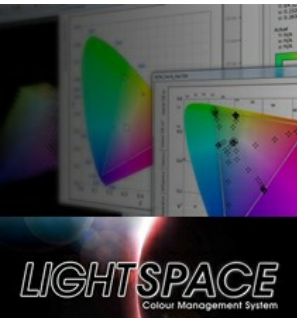
The LED backlight displays and our energy-efficient board design grant low temperature while working. The rugged and lightweight aluminium design and wide viewing angles displays, makes them easy to integrate. **Display up to 4 3G SDI inputs with the best quality, all features and best price!**

Display 4K signals at best price

Quad-Link SQD or 2SI 3G-SDI signals support (using downscale capability). Quad borders are removed and image adjusted to perfect display a 4K image!

HDR support and 3D LUT Display Calibration

HDR visualization (HLG, PQ, SLOG) and **3D LUT** Color Management options for accurate reproduction of all standard sources (Rec709, EBU, SMPTE-C and DCI) and custom color spaces. With our **tetrahedral LUT interpolation engine** of 4.913 points (17x17x17) that offers a higher degree of precision for accurate reproduction. All monitors are factory calibrated using LightIllusion`s LightSpace CMS.

All features you need!

ATC Time Code (Inside or outside the image)

RGB Channles

Colour Temperature Adjustment & Gamma Correction

Border & UMD colour selection

Markers:
Center Marker, 16:9, 4:3, 15:9, 14:9, 13:9, 1.85:1, 2.35:1, 1.85:1 4:3, USER
80 %, 85%, 88%, 90%, 93%, 100%

Security Areas:

On screen alarms:
NO AUDIO | SILENCE | Audio
NO INPUT | BLACK | Image

Real time colour Vectorscope & Waveform (Y, Cb, Cr, YCbCr, R, G, B, RGB). Inputs 1 & 2. Located in any position of the screen

Video Format Information

Up to 16 Channel Audio Level Meters (inside or outside the image)

Configurable direct keys & Encoder Quick access to any adjustment or screen configuration

Tally
3 Modes: Square, UMD and Border (GPIO, TSL 3.1 and TSL 5.0)

UMD
16 character, OSD, TSL 3.1 and TSL 5.0 (Inside or outside the image)

Image resize capability in Quad and Full screen View

Rugged and Lightweight Design

SFX-3G4 series have a lightweight and rugged aluminum chassis and direct lighting keys that can be configured with any of the adjustments of the OSD menu or to access directly to Quad or Full Screen Views. With a high quality 12 bit image processing engine, these monitors offers a minimum processing delay, just the same delay as a standalone monitor. All monitors of SFX-3G4 integrate LED backlight displays with wide viewing angles, and our energy-efficient board design that grant low temperature while working. All connectors are all down-side mounted making them real slim design, allowing to be integrated in critical space locations. All monitors from 18,5" to 23,8" are compatible with VESA 100 mount systems, and optional brackets for 19" rack and table stands can be supplied. 32" and 42" monitors are VESA 200 compatible.

Power On Switch

Ethernet (Control and TSL 5.0)

Audio Out (Jack Phone)

Power Supply (XLR connector)

4 x 3G/HD/SD SDI inputs (BNC connectors)

USB (Updates)

GPIO TSL 3.1 RS-232

Maximum flexibility and Minimum delay

Select between Quad View or Full Screen View of any of your sources. In Quad Mode each quadrant can display sources with different format (1080i50Hz, 1080p25Hz,...), and can integrate up to 16 channel Audio Level Meters of embedded audio, real time color Waveform and Vectorscope, Time code,... Each window has image resize capability in Quad and Full Screen view, so scopes, audio Level Meters,... can be located inside or outside the image. All this adjustments can be made using the OSD menu or remotely using our Soft4Boxes Lite control software. **All these features with just the same delay as a professional standalone monitor (less than 1 frame delay, only 20 ms)!**

Quad View | Full screen View | Image resize capability in Quad and Full screen View

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4 x 3G SDI Inputs | HDMI | DVI | Quad Split | High Bright 1.500 nits

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- 21.5" IPS LED Backlight LCD Monitor
- Built-in Quad Split
- 4 x 3G/HD/SD-SDI
- Hardware based (NO Pc, NO hard-drive)
- Space-saving, fanless, energy-efficient and lightweight aluminium design
- Rugged and user friendly system for easy integration
- 12 bit image processing engine with low processing delay
- Quick control: Easy to use keyboard with user configurable direct keys and encoder
- Brightness, Contrast, Saturation adjustment
- Color temperature adjustment (5600K, 6500K, 9300K and User (R, G, B Gain and Bias adjustment))

- Gamma correction
- Blue Only / Monochrome
- Aspect Ratio Selection (4:3, 16:9)
- Markers and safety areas
- ATC Time code
- No audio, Silence, No input and Black image on screen alarms
- Real time color Waveform (Selectable RGB, R, G, B, YCbCr, Y, Cb, Cr) and Vectorscope (SDI 1 and SDI 2)
- 16 Channel Audio Level Meters (embedded audio)
- 16 characters UMD and video format information per input
- Tally and UMD, TSL 3.1 and 5.0 compatible
- Free user friendly drag and drop control software and firmware update by USB

Professional broadcast adjustments

These monitors have all professional features and adjustments as UMD and Tally, Blue Only, Aspect Ratio Selection, Markers, Real time color Waveform and Vectorscope (SDI 1 and SDI 2), 16 Channel Audio Level Meters, Alarms, Timecodes, backlight and color temperature adjustment (5600K, 6500K, 9300K, and RGB Gain and Bias adjustment),.. SFX-3G4 monitors integrate user configurable direct keys and encoder to easy navigate through the OSD menu. Any adjustment can be located in a direct key, to access functions just with a press, and keys LED lights can be turned off if required for dark environments.
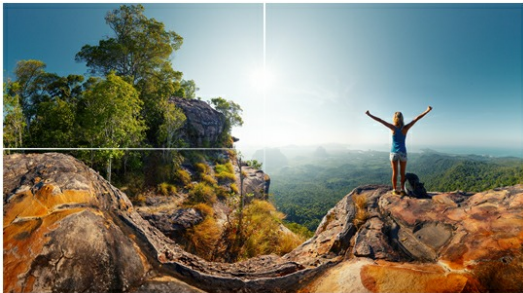

HDR Pre-visualization
HDR Pre-visualization (HLG, PQ, SLOG) with tetrahedral LUT interpolation engine of 4.913 points (17x17x17)

3D LUT
3D LUT Color Management options for accurate reproduction of all standard sources (Rec709, EBU, SMPTE-C and DCI) and custom color spaces
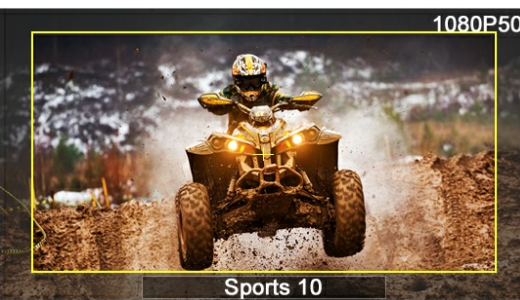

4K Format Support
Quad-Link HD-SDI signals support (using downscale capability and only available for references with 1920x1080 resolution panels). Quad borders are removed and image adjusted to perfect display a 4K image

12 bit image processing
Superior quality 12 bit image processing engine that offer smooth gradients without banding.

Markers
Wide range of markers and security areas are available with line color and curtain transparency selection. A User Marker is available if any of standard markers fits your requirements.
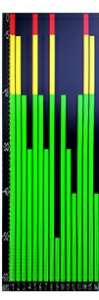

Color Temperature and Gamma Selection
Professional colorimetry broadcast adjustments, with Gamma Correction and color Temperature selection (5600K, 6500K, 9300K and user with Red, Green and Blue, Gain and Bias adjustments)
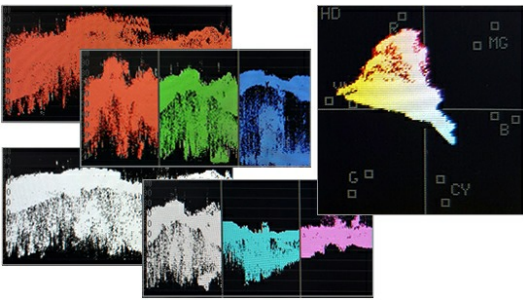

Blue, Red and Green Only, and Monochrome
Blue Only, Red Only, Green Only, Blue All, Red All, Green All, Monochrome and Inverse.
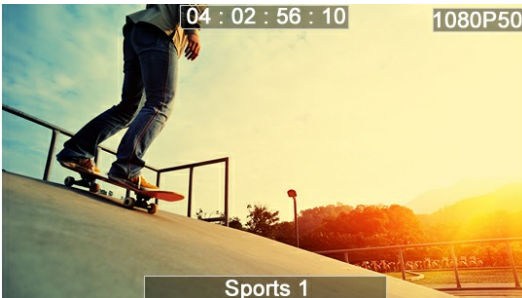

16 Channel Audio Level Meter
Display up to 16 Channel Audio Level Meters with a wide range of options (All together, Separate in pairs-odds,... Selectable Yellow and Red color level and two different sizes.
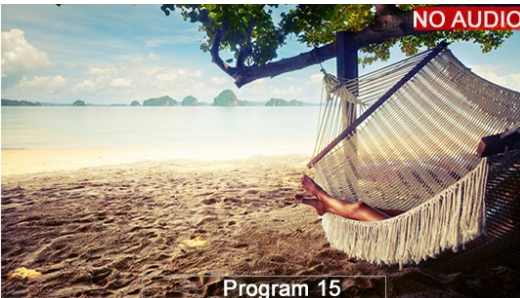

Waveform & Vectorscope
Real time color Waveform and vectorscope. Select between RGB, R, G, B, YCbCr, Y, Cb, Cr Waveform and two different sizes of scopes. Locate the scopes anywhere on the source quadrant.

Timecode and Source Format Information
On screen ATC Timecode information and Video Format Information

Alarms
On screen video and audio alarms with selectable color and time selection. No Input, Black Image, No Audio, Silence.

Tally and UMD
Red, Green and Yellow tally and 16 character UMD compatible with TSL 3.1 and TSL 5.0. Three tally modes available: Square, Border and UMD (all can be activated together)

Encoder & Dual Functionality Direct Keys
Encoder to easy navigate through the OSD menu, and direct keys with dual functionality (fixed/configurable). Activate [Fn] Mode to the keys with your custom configuration and access your favourite adjustments just with a press. Keys LED lights can be turned off if required for dark environments.

Border & Text color selection
Selectable Border and Text color. Available colors: black, white, red, green, blue, cyan, magenta, yellow and 7 grey levels.

Soft4Boxes Pro Control Software
Soft4Boxes Pro is a software to control our SFX Series Monitors (Stand Alone & Quad-Split versions). S4B PRO is an intuitive and user-friendly "drag & drop" control software.
* Click here for more information!

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LCD DISPLAY

- 1920 x 1080 pixels LED Backlight display
- Brightness: 1500 cd/m²
- Contrast: 1000:1
- 178,178 Wide viewing angles

VIDEO INPUTS

- 4 x 3G/HD/SD-SDI inputs

3G-SDI

- SMPTE 424M-2006 level A and Level B Dual Stream (B-DS)
- Format: 1920x1080p (60, 59.94, 50)
- Cable lenght: 85m Belden 1694A
- BNC Connector

HD-SDI

- SMPTE 274M and SMPTE 296M
- Formats: 1080p (30, 29.97, 25, 24, 23.98, 30PsF, 29.97PsF, 25PsF, 24PsF, 23.98PsF) 1080i (60, 59.94, 50) 720p (60, 59.94, 50)
- Cable lenght: 100m Belden 1694A
- BNC Connector

SD-SDI

- SMPTE 125M/259M
- Formats: 480i (59.94) 576i (50)
- Cable lenght: 250m Belden 1694A
- BNC Connector

GPIO CONNECTOR

- GND Contact closure

ETHERNET

- RJ-45 Connector

USB CONNECTOR

- Upgrade system

DIMENSIONS

- CM215BSFX-3G4 (21,5" Monitor with built-in Quad Split): Dimensions TBD.
Weight TBD

POWER REQUIREMENTS

- 21.5" Monitor 12V DC (XLR Connector). Power consumption: TBD

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QUAD SPLIT LCD MONITORS

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