

 1000 Nits Super High Brightness

KXM-5510MD-IP25G

55 Inch 4K HDR IP Monitor

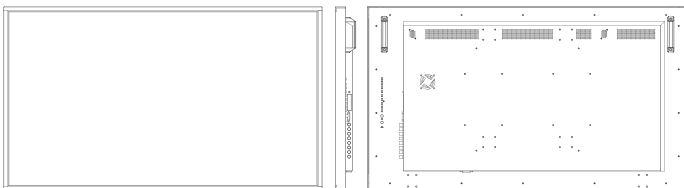


KXM-5510MD-IP25G is an 55" 4K HDR IP monitor that supports uncompressed signals based on ST2110 and converts 4K UHD 12G-SDI signals from IP in a number of format signals, built-in ST2110 IP SFP28 optical fiber cage. It gives user the freedom to work with a range of IP systems and 4K UHD media for a seamless end-to-end production and signal transformation workflow.

IP25G Standards & Support

- Support ST2110 IP to 4K UHD SDI video conversion & processing
- Highest quality video transmission with the lowest latency
- Compatible with ST2110-10/20/30/40 data transmission
- Featured with ST2022-7 hitless failover
- Supports IGMP V2.0, IGMP V3.0 is option
- Supports NMOS IS-04 discovery and registration
- Supports NMOS IS-05 connection and remote management
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- Provides SFP28 25G IP data transmission
- 4K UHD Frame synchronizer built-in
- Adjustable output signal's H/V phase
- Gen lockable with BB or Tri-level external reference
- Provides internal SYNC. for ST2110 Encapsulation
- Synchronized to ST2059 PTP network master timing signal
- Web based remote control GUI provides customized configuration saving, recall, and reset feature

Main Body



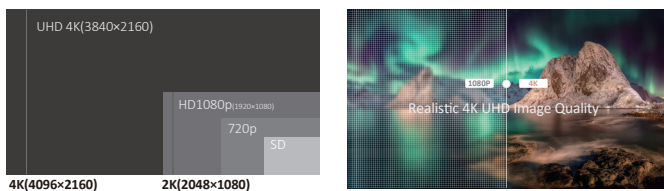
The interfaces position may be changed without prior notice.

Specifications

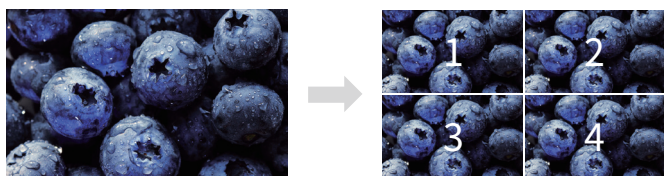
- 3840 x 2160 4K UHD resolution
- 12 Bit video Processing, no delay image
- 2 x 12G-SDI inputs and outputs (6G/3G/HD/SD-SDI auto detected)
- 2 x 3G-SDI inputs and outputs (HD/SD-SDI Auto Detected)
- 2 x ST2110 IP inputs
- 1 x HDMI 2.0 input
- 4K 12G-SDI single link signal, up to 4096 x 2160 60p
- 4K signal, 2 Sample Interleave (2SI), Square Division (SQD)
- 4K Mode, Quad-Split Mode, FHD single picture mode
- 4 x SDI/HDMI Quad-View, mixed inputs & frequency rates
- 3D LUT Color calibration with ColourSpace & CalMAN
- 3rd-party 3D LUT files import(USER1~6)
- Color Space & EOTF Curves Auto Setting, matching(Rec.709/Rec.2020)
- Color Space (Rec.709/EBU/DCI-P3 D65/DCI-P3/Rec.2020/Bypass)
- HDR: PQ (ST2084), HLG (1.03/1.11/1.16/1.20/1.27/1.33)
- Sony Camera Log Curves: Slog, Slog2, Slog3
- Canon Camera Log Curves: Clog, Clog2, Clog3
- ARRI Camera Log Curves: LogC
- Panasonic Camera Log Curves: Vlog, Vlog (softroll)
- Gamma (2.0, 2.2, 2.4, 2.6), HDR Area Display
- 4K HDR Waveform, Vector Scope, Marker/Box Control Function
- S1 - S8 Eight Selectable Scene Settings
- Picture Flip, Focus Assist, False Color, Zebra
- SDR and HDR comparison, Darkness Check
- Scan, Blue/Mono Only
- Payload ID display
- 32CH Embedded Audio Level Meters
- Dynamic and Static UMD Display (TSL3.1/4.0/5.0)
- 608/708 CC Closed Caption, Key Lock, Video Freeze
- Firmware upgrade/LUT file import via USB/Ethernet
- GPI (selectable/markable windows)
- Aluminum Alloy Casing, Built-in Speaker

4K Signal, Native 4K Resolution

Native 4K resolution, 4K 12G-SDI single link supports utmost 4096 x 2160 60p format, 2 x 12G-SDI signal inputs and outputs (auto detected 6G/3G/HD/SD-SDI), 1xHDMI2.0 input, 1xSDI SFP + module input cage.



2SI and SQD 4K signal



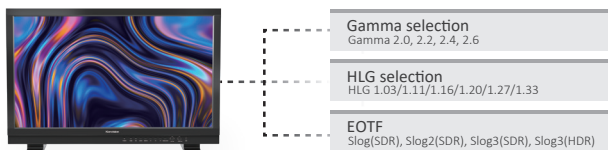
4K 2 Sample Interleave (2SI) : Pixel based segmentation



4K Square Division (SQD) : Quadrant based segmentation

EOTF Curve Conversions

Konvison KUM 4K, 8K and KVM-6X series supports a variety of EOTF curve conversion applicable to the broadcast industry and digital film standard. A preset of lots of camera logs and gamma curve selections, so as to realize the perfect combination with the camera system.



Quad View Mode

Quad View Mode support mixed inputs & frequency rates. Each window can change to single picture mode with shortcut button or GPI. Each window can select different color space and HDR waveform.



HDR Waveform, HDR Area Display

HDR reference white is 203nits. The part that exceeds the reference white level (203nits) considered as the HDR highlight part, and the HDR highlight ratio should not exceed 20% of the entire image. HDR waveform, HDR area display can make the HDR info more intuitively displayed, which is more convenient for users.



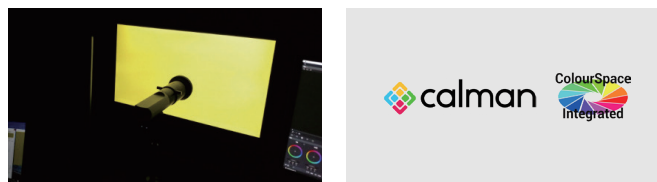
4K HDR Waveform (Alarm), Vectors

4K HDR Waveform. SDI and HDMI support Waveform, Vectorscope, Histogram. When luminance reaches or exceeds the preset value, the over exposure areas will be red marked (Waveform Alarm).



3D LUT Color Calibration

Compatible with ColourSpace and Calman calibration software, Konvison monitors apply K10-A probe (professional level) to achieve a precise color. Monitor's also workable with universal colorimeters including CA210, CA310, CS200, CR100, CR250, X-Rite i1 Display. With the LUT loading function, users can load 2 different 3D LUT files with different color types according to their own needs



Display Info	
Model No.	KXM-5510MD-IP25G
Panel	Mini-LED, 80% BT.2020 gamut coverage
Size	55"
Resolution	3840 × 2160
Aspect Ratio	16 : 9
Viewing Angle	178°(H) / 178°(V)
Color Depth	1.07B
Brightness	1000cd/m ²
Contrast Ratio	1,000,000:1
Input	
2 x SFP	ST2110 IP data stream input interfaces
1 x BNC	Gen lockable with BB or Tri-level external
1 x HDMI	HDMI 2.0 input <i>(supporting up to 4096x2160P 60Hz)</i>
2 x BNC	12G-SDI 3/4 signal inputs <i>(6G/3G/HD/SD-SDI Auto Detected)</i>
2 x BNC	3G-SDI 1/2 signal inputs <i>(HD/SD-SDI Auto Detected)</i>
Output	
2 x BNC	12G-SDI 3/4 signal outputs <i>(6G/3G/HD/SD-SDI Auto Detected)</i> ST2110 IP to 12G-SDI CH4 signal output
2 x BNC	3G-SDI 1/2 signal outputs <i>(Auto-detected and compat ble to HD/SD-SDI)</i>
Audio In & Out	
SDI/HDMI Audio In	16ch SDI & 2ch HDMI embedded audio
Audio Meter Display	Vertical Horizontal audio level meter display
Audio Output	3.5mm headset jack
Built-in Speaker	2.5Wx2
General	
Input Voltage	AC 100-240V 50/60Hz
Power Consumption	220 W
VESA Installation	VESA MIS-D (200x200mm)
Accessory	Power Cord /Desktop stand

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