1000 Nits Super High Brightness

Dual Layer MEGA LCD Panel

KXM-3120QD

8K — 8K Signal
4K — Native 4K Resolution
HDR — High Dynamic Range
P3 — P3 Gamut 100% Coverage
SFP — SDI SFP Module

31" 8K HDR P3 MASTER MONITOR

KXM-3120QD is a 31" 8K HDR Master monitor with true 4K resolution and dual-layer LCD panel which offers 1000 Nits ultra high brightness and 1,000,000:1 contrast ratio. Equipped with 4x12G-SDI inputs with built-in HDMI 2.0 interface, quad link supports upto 4x 4K 2160 60P. 31" monitor supports various cameras' HDR Log curves and SDR Log curves, S-Log, C-Log and Log C. KXM-3120QD is a mastering 8K monitor for a wide range of HDR workflows.

12G-SDI | BT.2020 | Waveform | VectorScope | Focus Assist | Audio Meter | False Color | Zebra | TSL UMD | GPI

LCD Panel	
Model No.	KXM-3120QD
Backlight	LED,100% P3
Size	31"
Resolution	4096×2160
Aspect Ratio	17 : 9
Viewing Angle	178°(H) / 178°(V)
Color Depth	1.07B
Brightness	1000cd/m²
Contrast Ratio	1,000,000:1
Input	
4 x BNC	12G-SDI 1/2/3/4 signal inputs *(Auto-detected and compatiable to 6G/3G/HD/SD-SDI)*
1 x SDI SFP	SDI SFP input cage
1 x HDMI 2.0	HDMI 2.0 signal input
Output	
4 x BNC	12G-SDI 1/2/3/4 signal outputs *(Auto-detected and compatiable to 6G/3G/HD/SD-SDI)*

Main Body Dimensions

Main Body:770×475.1×168.5(mm)
Weight: 22KG
¤ Without Stand

Specifications

- 4096x2160 4K resolution,dual-Layer LCD panel
- 1000 Nits high brightness and 1,000,000:1 contrast ratio
- Support 8K SDI signal 8192x4320 resolution
- 12 Bit Video Processing,image no delay
- 4x12G-SDI inputs and outputs(6G/3G/HD/SD-SDI auto detect)
- 12G-SDI quad link 8K SDI signal supports 8192x4320 60P
- 12G-SDI single link 4K SDI signal supports 4096x2160 60P
- 1x HDMI 2.0 input, 1x SDI SFP Input cage
- 4K/HD signal support Payload ID function
- 4K Mode,Quad-Split Mode,FHD single picture mode
- Quad-View: 4x SDI/HDMI formats mixed inputs with different frequency rate
- 4K/8K signal support 2 Sample Interleave (2SI) and Square Division (SQD)
- HDR supports PQ (ST2084) , HLG(1.0,1.1, 1.2, 1.3, 1.4, 1.5)
- SDR and HDR comparison
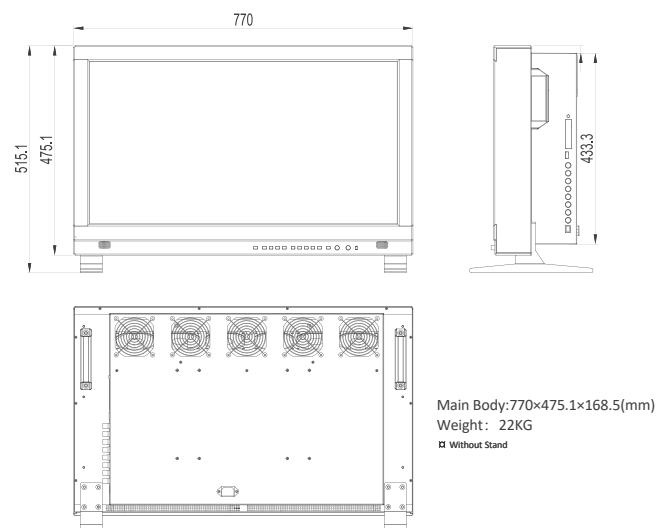
- 3D LUT Color calibration with LightSpace & CalMAN
- Support user 3D LUT files import
- Color space: REC709/EBU/DCI-P3 D65/DCI-P3/REC2020/ USER1/USER2/Bypass
- Various Gamma selection: Gamma 2.0, 2.2, 2.4, 2.6
- Various cameras' SDR Log curves: SONY S-log1/2/3 (709), ARRI Log-C (709), Canon C-log1/2/3(709) etc
- Various cameras' HDR Log curves:SONY S-log1/2/3 (HLG), S-log1/2/3 (PQ), ARRI Log-C (HLG), Log-C (PQ)
- 4K HDR Waveform,Vectorscope,Black Stretch
- Picture Flip,Focus Assist,False Color,Zebra
- Scan,Markers,Blue/Mono Only
- Audio Level Meter
- Ethernet Remote control
- Dynamic UMD(TSL3.1/4.0)

Main Features

- 8K Signal, Native 4K Resolution
Supporing 8192x4320 8K signal, including 4320p 23.98,24, 25,29.97, 30,50,59.94 and 60p.With advance image processing,8K HDR monitor restores a real world for eyes.

8K(8192×4320)   4K(4096×2160)   2K(2048×1080)
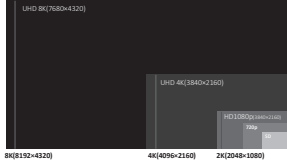
- 3D LUT Color Calibration
Compatible with Lightspace and Calman calibration software,Konvision monitors apply K10-A probe(professional level) to achieve a precise color.Monitor's also workable with universal colorimeters including CA210,CA310,CS200,CR100,CR250,X-Rite i1 Display.

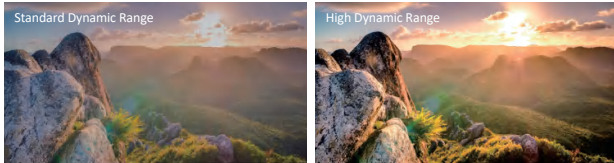Calibration Softwares:

- High Dynamic Range(HDR)
Konvision KUM 4K, 8K and KVM-6X series support HDR display. Adjusrtable HDR modes include PQ(ST2084), HLG with Rec 2020 color gamut. It reproduces a greater dynamic range of luminosity and provides extremely high level picture quality and image reproduction.
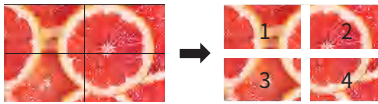

Standard Dynamic Range   High Dynamic Range

- SQD and 2SI 4K singal
4K 2 Sample Interleave (2SI)：Pixel based segmentation

4K Square Division (SQD)：Quadrant based segmentation

- Quad View Mode
You can input 4x independent SDI sources or 3x independent SDI sources and 1x HDMI source to quadview,support different SDI or HDMI format mixed inputs with different frequency rate.


- EOTF Curve Conversions
Konvision 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 HDR log, SDR logs and gamma curve selection, so as to realize the perfect combination with the camera system.

SONY Camera	**Input Signal** S-Log,S-Log2,S-Log3 (709/PQ/HLG)
ARRI Camera	**Input Signal** Log-C(709/PQ/HLG)
Canon Camera	**Input Signal** C-Log,C-Log2,C-Log3 (709/PQ/HLG)

- HDR & SDR Comparison
Konvision 8K and 4K monitors offer HDR & SDR side by side comparision. This function allows customers to compare the difference between HDR and SDR on the same screen. it allows users to see more picture details and color in scense.

SDR   HDR   HDR   SDR
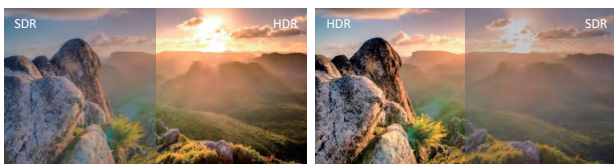
- Dual Layer Panel with 1000 Nits Brightness
Highest industry standard dual layer LCD panel with 1000 Nits high brightness,deep black,no halo,no glare distortion.

1000 Nits Normal panel   1000 Nits Dual Layer panel
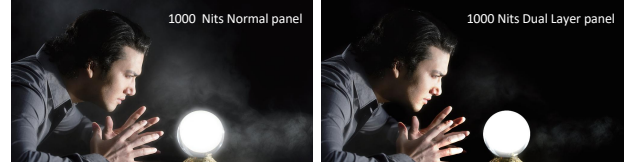
- Black Stretch
Increasing the brightness and contrast ratio in the dark areas, Black Stretch function can show more shadow details of the input signal. Black Stretch can be used for double checking the shadow detail of the dark areas to avoide any missing infomation.


Black Stretch OFF   Black Stretch ON

- 4K HDR Waveform (Alarm), Vectors
4K HDR Waveform. Both SDI and HDMI support Waveform, Vectorscope, Histogram and manage to be displayed on screen at the same time. When luminance reaches or exceeds the preset value, the over exposure areas will be red marked (Waveform Alarm).


Waveform, Vectors,Historgragm   Waveform Alarm
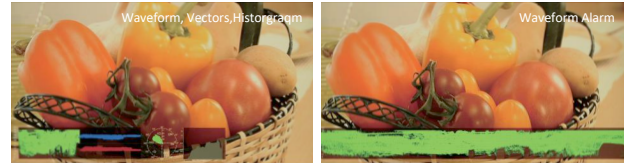
- False Color
Check exposure of the image.Blue,cyan,green,yellow,orange and red color be displayed in turn to show the luminance or brightness values of the image from darkest to brightest,enables an achievement of proper exposure without applying external test equipment.


Original Signal   False Color
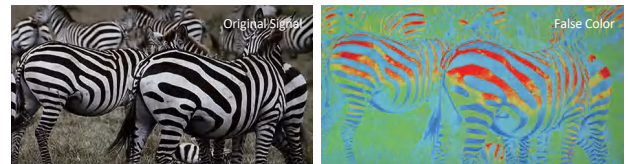
- Focus Assist
Focus assist aids the camera operator in obtaining the sharpest possible picture,it will mark with red color where the sharp edges appear on the screen.

Original Signal   Focus Assist
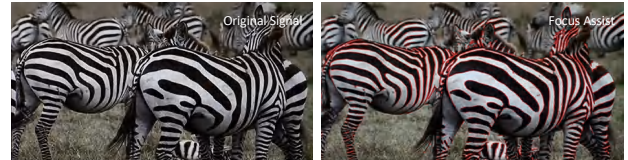
- Zebra
Display the overexposed areas(too bright) of the image with zebra stripes,aids the camera operator to control the luminance,in order to avoid overexposure.This feature is very effective for proper exposure.

Original Signal   Zebra
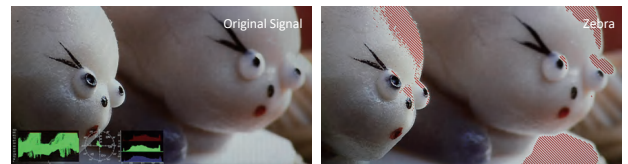
Audio In & Out	
SDI/HDMI Audio In	16 Channels SDI/2 Channels HDMI embedded audio
Audio Meter Display	Vertical/Horizontal audio level meter display
Audio Headset Output	3.5mm headset jack
Built-in Speaker	2.5W×2
GENERAL	
Input Voltage	AC 100-240V 50/60Hz
Power Consumption	330W
VESA Installation	VESA MIS-D (200×200mm)
Accessory	Power Cord /Desktop stand

¤ Specifications may be changed without prior notice.