



Native 4K Resolution



High Dynamic Range



P3 Gamut 100% Coverage

### 31" 4K HDR P3 MASTER MONITOR

KXM-3110D is a 31" ture 4K HDR master monitor with dual layer LCD panel which offers 1000 Nits ultra high brightness and 1,000,000:1 contrast ratio. HDR display supports PQ and HLG. Equipped with 2x12G/6G/3G/HD/SD-SDI inputs and outputs, it is ideal for 4K quality-demanding studio, color grading, and production.



12G-SDI



BT.2020



Waveform



VectorScope



Focus Assist



Audio Meter



False Color



Zebra



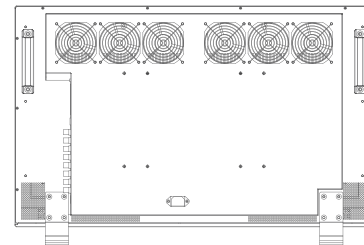
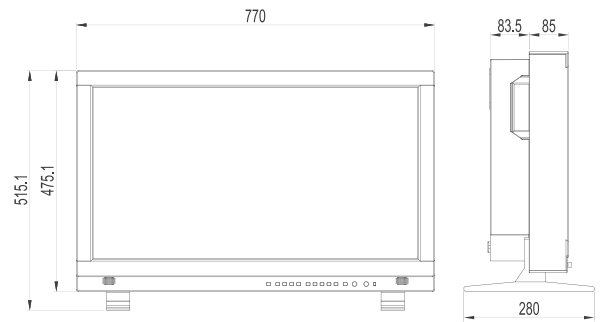
TSL UMD



GPI

LCD Panel	
Model No.	KXM-3110D
Backlight	LED,100% P3
Size	31"
Resolution	4096×2160
Aspect Ratio	17 : 9
Viewing Angle	178°(H) / 178°(V)
Color Depth	1.07B
Brightness	1000 cd/m <sup>2</sup>
Contrast Ratio	1,000,000:1
Input	
2x BNC	12G-SDI 1/2 signal inputs <i>(Auto-detected and compatible to 6G/3G/HD/SD-SDI)</i>
2x BNC	3G-SDI 1/2 signal inputs <i>(3G/HD/SD-SDI auto detected)</i>
1 x DVI-D	Support DVI/HDMI 2.0 signal
Output	
2 x BNC	12G-SDI 1/2 signal outputs <i>(Auto-detected and compatible to 6G/3G/HD/SD-SDI)</i>

### Main Body Dimensions



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

### Specifications

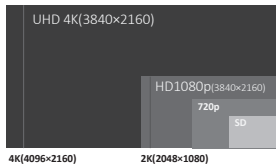
- 4096x2160 4K resolution,10Bit LCD panel
- 1000 Nits high brightness and 1,000,000:1 contrast ratio
- 12 Bit Video Processing,image no delay
- 2x12G-SDI inputs and outputs(6G/3G/HD/SD-SDI auto detect)
- 12G-SDI single link 4K SDI signal supports 4096x2160 60P
- 1xDVI-D input,competible to HDMI 2.0 input
- 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 signal supports 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
- Ethernet Remote control
- Dynamic UMD(TSL3.1/4.0)

- 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)
- Waveform,Vectorscope,Black Stretch
- Picture Flip,Focus Assist
- False Color,Zebra
- Scan,Markers
- Blue/Mono Only
- Audio Level Meter

# Main Features

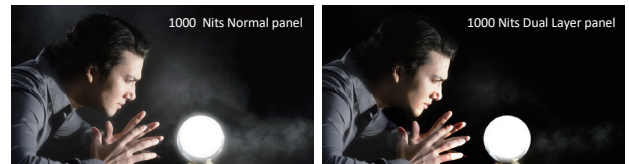
## - 4K Signal, Native 4K Resolution

Native 4K resolution, 4K 12G-SDI signal link supports 2 x 12G-SDI signal inputs and outputs(auto detected 6G/3G/HD/SD-SDI),utmost 4096 x 2160 60P format,DVI-D input is compatible to HDMI 2.0 signal.



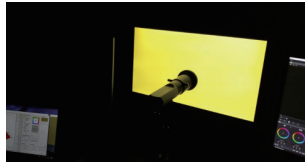
## - Dual Layer Panel with 1000 Nits Brightness

Highest industry standard dual layer LCD panel with 1000 Nits high brightness,deep black,no halo,no glare distortion.



## - 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.



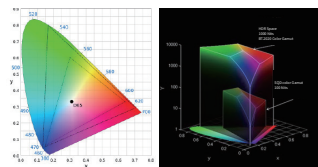
## - Black Stretch

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 avoid any missing information.



## - High Dynamic Range(HDR)

Konvision KUM 4K, 8K and KVM-6X series support HDR display. Adjustable 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.



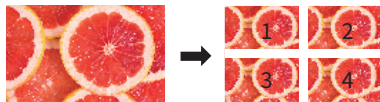
## - Waveform(Alarm),Vectors

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).

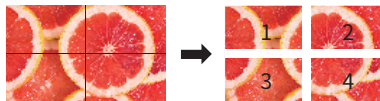


## - SQD and 2SI 4K signal

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



4K Square Division (SQD) : Quadrant based segmentation



## - 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.



## - 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.



## - 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.



## - 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.



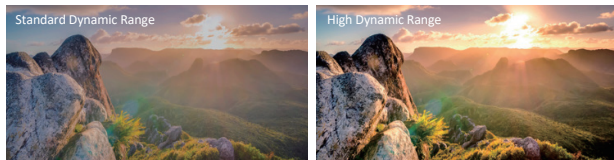
## - Zebra

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



## - HDR & SDR Comparison

Konvision 8K and 4K monitors offer HDR & SDR side by side comparison. 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 scene.



## 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	90W
VESA Installation	ESA MIS-D (200×200mm)
Accessory	Power Cord /Desktop stand

Specifications may be changed without prior notice.