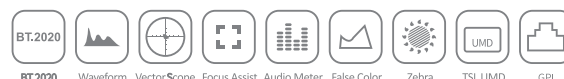




31" 4K HDR P3 OLED MONITOR

KUM-3110S is a 31 inch OLED 4K HDR reference monitor with 2x12G-SDI & 2x3G-SDI inputs/outputs. Its color gamut can reach more than 99% of DCI-P3 and 80% of BT2020. With 1,000,000:1 ultra-high contrast ratio and 0.0005 nit truer, deeper black, it can reproduce incredible black details and can be used for up to 30,000 hours. It is a good choice for professional and high-quality 4K color grading, post-production etc.



Panel

Model No.	KUM-3110S
Display Type	OLED, 99% P3
Size	31.5"
Resolution	3840x 2160
Aspect Ratio	16 : 9
Viewing Angle	178°(H) / 178°(V)
Color Depth	1.07B
Brightness	540 cd/m ² (Peak Brightness)
Contrast Ratio	1,000,000:1

Input

1 x SDI SFP+	SDI SFP+ input cage
1 x HDMI 2.0	HDMI 2.0 Signal
2 x BNC	12G-SDI 1/2 signal inputs <i>(Auto-detected and compatible to 6G/3G/HD/SD-SDI)</i>
2 x BNC	3G-SDI 3/4 signal inputs <i>(3G/HD/SD-SDI auto detected)</i>

Output

2 x BNC	12G-SDI 1/2 signal outputs <i>(Auto-detected and compatible to 6G/3G/HD/SD-SDI)</i>
2 x BNC	3G-SDI 3/4 signal outputs <i>(3G/HD/SD-SDI auto detected)</i>

Audio In & Out

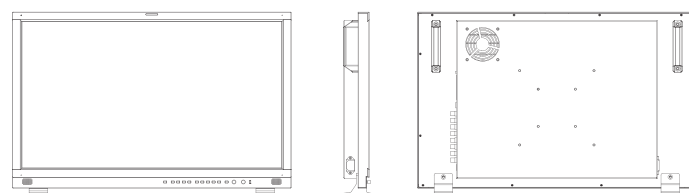
SDI/HDMI Audio In	16 Channels SDI 2 Channels HDMI embedded audio
Audio Meter Display	Vertical Horizontal audio level meter display
Audio Headset Output	3.5mm headset jack
Built-in Speaker	2.5Wx2

General

Input Voltage	AC 100-240V 50/60Hz
Power Consumption	100 W
VESA Installation	VESA MIS-D (200x200mm)
Accessory	Power Cord /Desktop stand

Specifications may be changed without prior notice.

Main Body

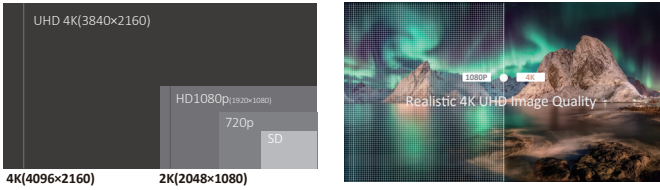


Specifications

- 3840x2160 4K resolution, 10Bit LCD panel
- Wider Gamut Coverage: 99% DCI-P3, over 80% ITU-R BT.2020
- 12 Bit Video Processing, Anti-Burn-In Technology
- 2 x 12G-SDI inputs and outputs (6G/3G/HD/SD-SDI auto detect)
- 4K 12G-SDI single link signal, upto 4096 x 2160 60P
- 4K signal: 2 Sample Interleave (2SI), Square Division (SQD)
- 1 x HDMI 2.0 input, 1 x SDI SFP+ module optical input cage
- 4K Mode, Quad-Split Mode, FHD single picture mode
- 4 x SDI/HDMI Quad-View: mixed inputs&frequency rates
- Free Quad-View(boarder control/window adjustment)
- SDR and HDR comparison, HDR Auto Setting
- S1- S8 Eight Selectable Scene Settings
- Firmware upgrade/LUT file import via USB/Ethernet
- Payload ID, Dynamic and Static UMD/IMD Display
- GPI (selectable/markable windows)
- 3D LUT Color calibration with LightSpace & CalMAN
- Color Gamut (REC709/EBU/DCI-P3 D65/DCI-P3/REC2020/Bypass)
- HDR: PQ (ST2084) , HLG(1.0, 1.1, 1.2, 1.3, 1.4, 1.5)
- Camera SDR Log Curves: S-Log1/2/3(709), Log-C(709)
- Camera SDR Log Curves: C-Log 1/2/3(709)
- Camera HDR Log Curves: S-Log 1/2/3 (HLG/PQ), Log-C (HLG/PQ)
- 3rd-party 3D LUT files import (USER1/USER2), Gamma (2.0, 2.2, 2.4, 2.6)
- 4K HDR Waveform, Vector Scope, Black Lift
- Picture Flip, Focus Assist, False Color, Zebra
- Marker/Outside Box Control Adjustment
- Scan, Blue/Mono Only
- 16ch Embedded Audio Level Meters
- 608/708 CC Closed Caption
- Key Lock, Video Freeze
- 30,000 hours life span

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.



Unparalleled black level

Featuring a 1,000,000:1 contrast ratio with an absolute black of 0.0005 nit, OLED panel reproduces extreme black details, and brings a stunning experience.

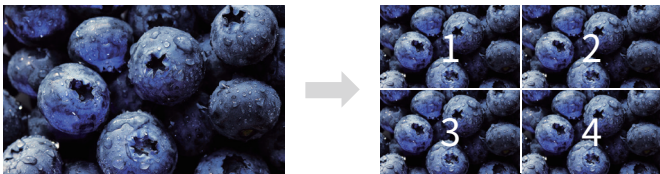


Quad View Mode

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.



2SI and SQD 4K signal



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



4K Square Division (SQD) : Quadrant based segmentation

Black Lift

Increasing the brightness and contrast ratio in the dark areas, Black Lift function can show more shadow details of the input signal. Black Lift can be used for double checking the shadow detail of the dark areas to avoid any missing information.



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.



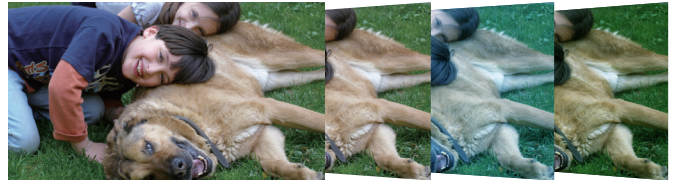
3D LUT Color Calibration

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.



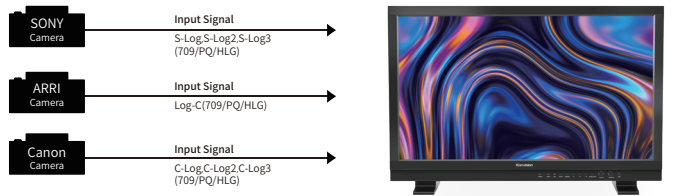
3D LUT files import

With the LUT loading function, users can load 2 different 3D LUT files with different color types according to their own needs, making DIT, post production and grading work simpler and more intuitive, optimizing the work flow and improving work efficiency.



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.



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.



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).



Anti-Burn-In Technology

Using technology that helps protect against burn-in to the panel, it greatly reduces the burn-in-image issue after long hours stay in the same image of the OLED monitors.

