



Native 4K Resolution



High Dynamic Range



P3 Gamut 99% Coverage



BT.2020 Gamut 80% Coverage



OLED Panel

32" 4K HDR P3 OLED MONITOR

KUM-3110S, 32 inch 4K OLED HDR reference monitor, 3840×2160 resolution with 2x12G-SDI & 2x3G-SDI inputs/outputs. Sub-pixel independent light control, 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. Its color gamut can reach more than 99% of DCI-P3 and 80% of BT2020. Slim body design, fully silent fanless, 0.1ms instantaneous response time is the priority choice for professional and high-quality 8K/4K video live broadcast, shooting, post-production and other applications.



BT.2020



Waveform



VectorScope



Focus Assist



Audio Meter



False Color



Zebra

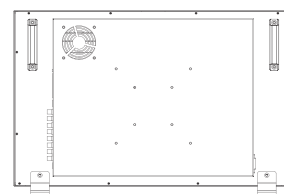
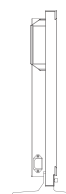
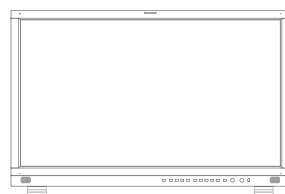


TSL UMD



GPI

Main Body



Specifications

- 3840x2160 4K resolution, 10Bit OLED 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)
- 2 x 3G/HD/SD-SDI inputs and outputs
- 4K 12G-SDI single link signal, up to 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)
- Payload ID display
- Color Space & EOTF Curves Auto Setting, matching(REC709/REC2020)
- Color Space (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)
- 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
- 3D LUT Color calibration with ColourSpace & CalMAN
- 3rd-party 3D LUT files import(USER1/USER2)
- S1 - S8 Eight Selectable Scene Settings
- Picture Flip, Focus Assist, False Color, Zebra
- SDR and HDR comparison, Darkness Check
- Full Scan, Over Scan, Blue/Mono Only
- 16ch Embedded Audio Level Meters
- Dynamic and Static UMD/IMD 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

Panel

Model No.	KUM-3110S
Display Type	OLED, 99% P3
Size	31.5"
Resolution	3840× 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 (Auto-detected and compatible to 6G/3G/HD/SD-SDI)
2 x BNC	3G-SDI 3/4 signal inputs (3G/HD/SD-SDI auto detected)

Output

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

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

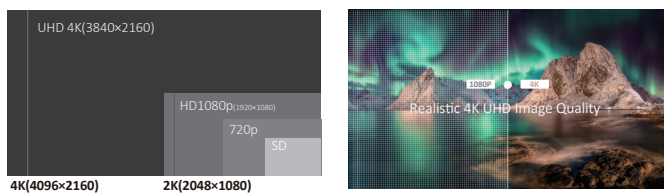
General

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

□ Specifications may be changed without prior notice.

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.



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 camera logs and gamma curve selections, so as to realize the perfect combination with the camera system.

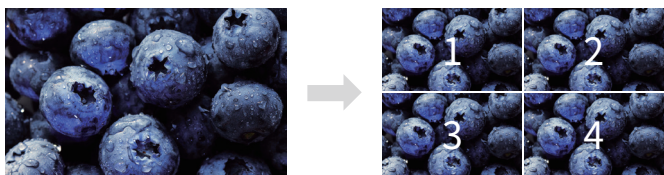


HDR Waveform, HDR Area Display

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.



2SI and SQD 4K signal



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



4K Square Division (SQD) : Quadrant based segmentation

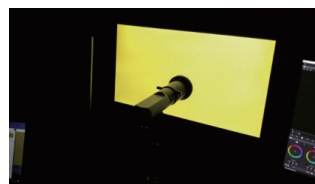
Fastest Response Time

The OLED panels' response time is only 0.1ms! Far exceeding the normal LCD, perfectly bids farewell to the phenomenon of trailing and jaggies of high-speed moving pictures. This rapid fast response benefits to the smooth fast-moving content, great for sports broadcasting.



3D LUT Color Calibration

Compatible with ColourSpace 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:



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.



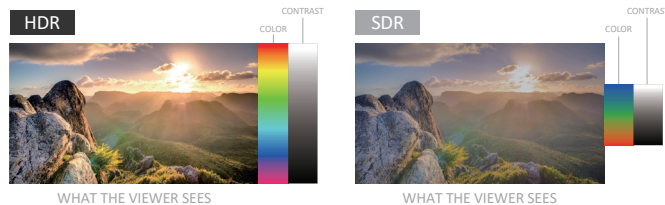
Quad View Mode

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



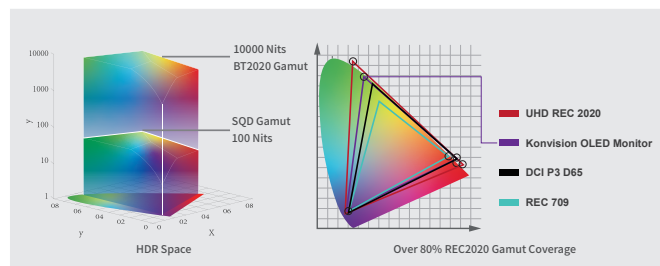
High Dynamic Range(HDR)

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.



Super Wide Color Gamut

With 99% P3 and over 80% REC2020 gamut coverage, which offers a much more gorgeous picture quality. It's superb for HDR content due to its extreme contrast ratio and wide color gamut.



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.

