



32" 8K HDR P3 OLED MONITOR

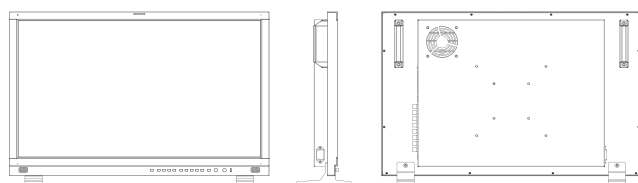
KUM-3120S is a 32inch OLED 8K HDR reference monitor with 4x12G-SDI inputs/outputs. 12G SDI quad-link supports upto 8K signal. Its color gamut can reach more than 99% of DCI-P3 and 80% of BT2020. With 1,000,000:1 ultra-high contrast ratio and 0.0005 nit truer, deeper black, it can reproduce incredible black details and can be used for up to 30,000 hours. It is a good choice for professional and high-quality 4K/8K color grading, post-production etc.



OLED Panel	
Model No.	KUM-3120S
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	540cd/m ² (Peak brightness)
Contrast Ratio	1,000,000:1
Input	
1 x SDI SFP+	SDI SFP+ input cage
1 × HDMI 2.0	HDMI 2.0 Signal
4 x BNC	12G-SDI 1/2/3/4 signal inputs <i>(Auto-detected and compatible to 6G/3G/HD/SD-SDI)</i>
Output	
4 x BNC	12G-SDI 1/2/3/4 signal outputs <i>(Auto-detected and compatible to 6G/3G/HD/SD-SDI)</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	2.5W×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.

Main Body

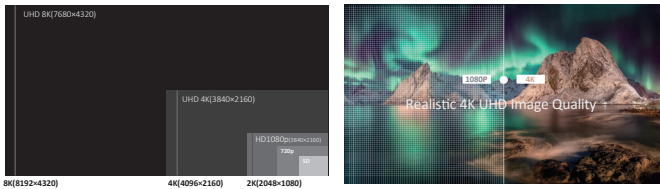


Specifications

- 3840x2160 4K/UHD resolution, 10BIT OLED panel
- 540nits brightness(Peak brightness)and 1,000,000:1 contrast ratio
- Support 8K SDI signal 8192x4320 resolution
- 12 Bit Video Processing, image no delay
- 4 x 12G-SDI inputs and outputs (6G/3G/HD/SD-SDI auto detect)
- 4K 12G-SDI single link signal, up to 4096 x 2160 60p
- 4K 12G-SDI quad link signal, up to 8192x4320 60p
- 4K/8K 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)
- 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)
- 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

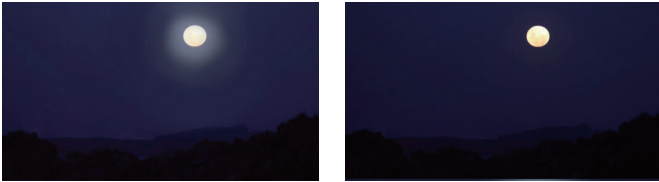
8K Signal, Native 4K Resolution

Supporting 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.



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.

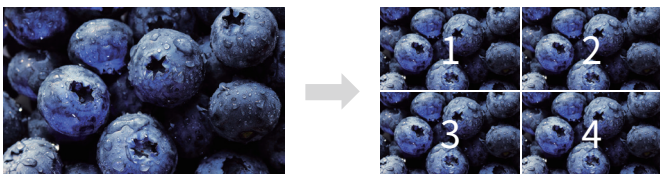


Quad View Mode

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

4K BOX Control

The BOX Control function can flexibly set the height and width of the marker frame on the monitor, and can be adjusted up, down, left and right. Users can flexibly adjust according to the frame ratio, which brings great convenience to program production.



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.



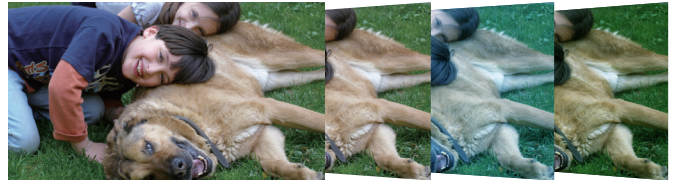
3D LUT Color Calibration

Compatible with 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.



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 camera logs and gamma curve selections, 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.

