

Konvision

UNPARALLELED COLOR REPRODUCTION  OLED

# 4K/8K HDR OLED MONITOR



**4K**  
HDR

**8K**  
HDR

**0.0005 Nits**  
True Black

**1,000,000:1**  
High Contrast

**HDR**  
PQ & HLG

## KUM SERIES 12G-SDI MONITORS



32 Inch 4K/8K HDR OLED  
Critical Reference Monitor



# KUM-3120S

**1,000,000:1**

High Contrast Ratio

**0.0005 Nits**

Pure Black

**HDR/BT.2020**

Wider Gamut Coverage

32 Inch 4K/8K HDR  
1000Nits Brightness Monitor



# KUM-3120H

**12G-SDI**  
4 x BNC

**1000 Nits**  
High Brightness

**8192x4320**  
Upto 8K Signal

**Quad-Split**  
Mixed Rates



27 Inch 4K/8K HDR P3  
Reference Monitor



# KUM-2720QD

**1000 Nits**  
High Brightness

**98% P3**  
Wider Gamut

**Quad-Split**  
Mixed Rates

**12G-SDI**  
4 x BNC



27 Inch 4K/8K HDR OLED  
Critical Reference Monitor



# KUM-2720S

<b>1,000,000:1</b> High Contrast Ratio	<b>0.0005 Nits</b> Pure Black	<b>HDR/BT.2020</b> Wider Gamut Coverage
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24 Inch 12G-SDI 4K/8K HDR  
Broadcast Monitor



# KUM-2420Q

<b>Quad-Split</b> Mixed Rates	<b>8192x4320</b> Upto 8K Signal	<b>4K/8K</b> Multi-Formats	<b>HDR</b> PQ&HLG
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17 Inch 12G-SDI 4K/8K  
Broadcast Monitor



# KUM-1720Q

<b>4K/8K</b> Multi-Formats	<b>Quad-Split</b> Mixed Rates	<b>HDR</b> PQ&HLG	<b>Rack Mount</b> 19 Inch EIA Rack
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# OLED Monitor Unique features

## Product Descriptions

27inch and 32inch 4K/8K HDR OLED Reference monitors are equipped with 4x 12G-SDI inputs and outputs, supporting a flexible quad view of different SDI and HDMI formats mixed inputs with different frequency rate. 12G SDI quad-link supports upto 8K signal.

Uncomparable 1,000,000:1 ultra-high contrast ratio and 0.0005 Nit, truer and deeper black, which helps to 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.

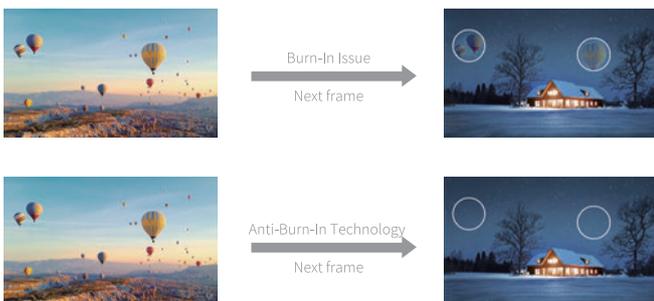
## Unparalleled black level

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.



## 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.



## Specifications

	KUM-2720S	KUM-3120S
Panel	OLED,99% P3	OLED,99% P3
Display Size	27"	31.5"
Resolution	3840×2160	
Aspect Ratio	16 : 9	
Viewing Angle	178° (H) / 178° (V)	
Color Depth	1.07B	
Brightness	540cd/m <sup>2</sup> (Peak Brightness)	
Contrast Ratio	1,000,000:1	
Input	<b>4 x BNC   12G-SDI 1/2/3/4 signal inputs</b> Auto-detected and compatible to 6G/3G/HD/SD-SDI  <b>1 x SDI SFP+ module optical input cage</b>  <b>1 x HDMI 2.0 signal input</b>	
Output	<b>4 x BNC   12G-SDI 1/2/3/4 signal outputs</b> Auto-detected and compatible to 6G/3G/HD/SD-SDI	
SDI 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	
Operating Temperature	-10° -50°	
Power Consumption	90 W	100 W
VESA Installation	VESA MIS-D (100×100mm)	VESA MIS-D (200×200mm)
Accessory	Power Cord /Desktop stand	Power Cord /Desktop stand

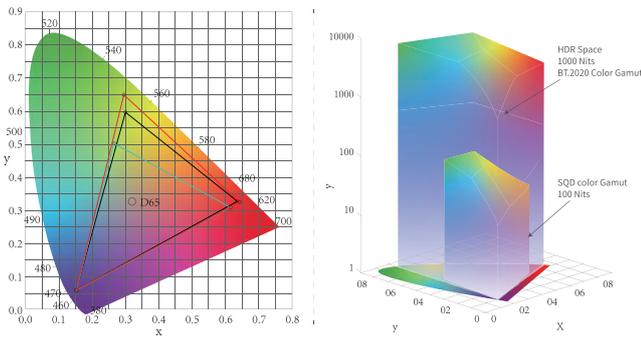
\* Specifications may be changed without prior notice.

<p><b>4K/8K UHD</b> Resolution</p> <p>Native 4K/8K resolution, Wider gamut, 10Bit LCD panel</p>	<p><b>12G SDI</b>      <b>4K/8K</b> Signal</p> <p>Upto 8192 x 4320 8K signal, 12G-SDI supports 2SI and SOD</p>	<p><b>HDR</b>      <b>HDR Display</b> High Dynamic Range</p> <p>PQ(ST2084), HLG with REC 2020 color gamut</p>	<p><b>1 2</b> <b>3 4</b>      <b>Quad Split</b> Flexible</p> <p>Mixed SDI/HDMI formats inputs with different frequency rate</p>
<p><b>Tetrahedral</b> 3D LUT Calibration</p> <p>2nm bandwidth high-precision spectrometer</p>	<p><b>EOTF</b> Curve Conversions</p> <p>S Log, C Log, Log C, V Log apply to various cameras</p>	<p><b>Darkness Check</b> Enhance Shadow Details</p> <p>Show more shadow details to avoid any missing information</p>	<p><b>BOX Control</b> Flexible Adjustment</p> <p>Flexibly set the marker frame's height and width</p>

## Color Calibration

### Precise Color Reproduction

Konvision monitors support the color space of HD (Rec.709) and UHD (BT.2020) comply with the ITU standard and support the DCI-P3 color gamut of digital cinema to ensure accurate color reproduction and color calibration.



### Professional Calibration Management

By Independent R&D of the world's leading tetrahedral interpolation algorithm 3D LUT color correction technology, all Konvision monitors undergo strict color temperature before leaving the factory for optimum brightness, gamma and color temperature.

Compatible with Colourspace and Calman calibration software, Konvision applies high-precision color calibration instruments CR-300 spectral analyzer (bandwidth reaches an astonishing 2nm level, with wavelength resolution as high as 0.8 nm/pixel) and K10-A probe(color correction accuracy is 100 times than that of the i1 Display Pro) to do the color calibration of each monitor.

#### · Calibration Softwares

Both Calman and Light Illusion provides customised Konvision versions.



#### · Calibration Instruments


Accuracy
→
100 times
→


**Konica CS2000 Spectroradiometer**  
Professional Level



**Konica CA-410 Color analyzer**  
Professional Level



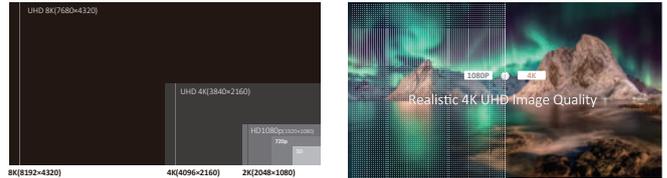
**CR300 Spectral Analyzer**  
Professional Level



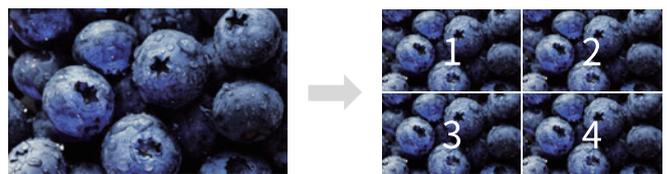
## Signal Processing

### 8K&4K Signal

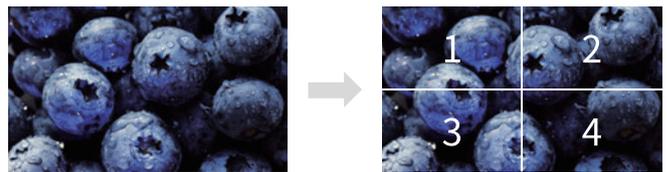
Native 4K resolution, supporting upto 8192x4320 8K signal, including 4320p 23.98, 24, 25, 29.97, 30, 50, 59.94 and 60p. With advanced image processing technology, 8K HDR monitor restores a real world for users.



### 2SI and SQR 4K signal



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



4K Square Division (SQR) : Quadrant based segmentation

### 12 Bit Video Processing

Motion-adaptive Interlace to Progressive. Realizing quick response of the fast moving image, avoids duzy, saw tooth and other problems, ensures clearer and smoother image, well-satisfied high-end demanding workflows such as live sports, camera shaking and rolling subtitles etc.



## HDR and EOTF

### High Dynamic Range(HDR)

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.

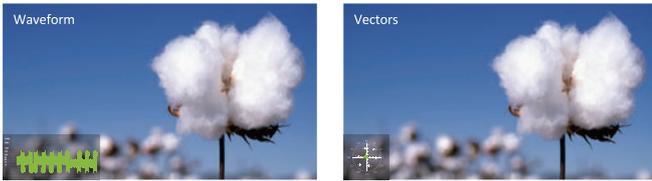


WHAT THE VIEWER SEES

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## 4K HDR Waveform (Alarm), Vectors

4K HDR Waveform. SDI and HDMI support Waveform, Vectorscope, Histogram. When luminance reaches or exceeds the preset value, the over exposure areas will be red marked (Waveform Alarm).



## 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.



## 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, which makes DIT, post production and grading work simpler and more intuitive, optimizing the work flow and improving work efficiency.



## Unique Significant Features

### 4K/HD/SD Quad Split

User can input upto 4 x 12G/6G/3G/HD/SD-SDI signals, also 3 x SDI signals and 1 x HDMI signal to quad view. Konvision Free-View Mode supports a flexible combination of different SDI and HDMI inputs formats with different frequency. Applicable to environment of simultaneous production and broadcasting of 4K, UHD and HD signals.



## Darkness Check

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



## 4K BOX Control

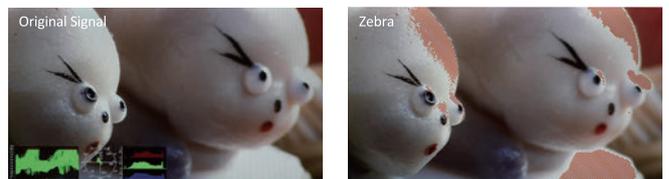
The BOX Control function can flexibly set the height and width of the marker frame on the monitor, and can be adjusted up, down, left and right. Users can flexibly adjust according to the frame ratio, which brings great convenience to program production.



## Other Main Features

### 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.



### 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.



## KUM SERIES 4K&8K HDR REFERENCE MONITOR / SPECIFICATIONS

Model No.	KUM-2720S	KUM-3120S	KUM-2720QD	KUM-3120H
Panel	OLED	OLED	LCD,98% P3	LCD
Display Size	27"	31.5"	27"	31.5"
Resolution	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160
Aspect Ratio	16:9	16:9	16:9	16:9
Viewing Angle	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)	178° (H) / 178° (V)
Color Depth	1.07B	1.07B	1.07B	1.07B
Brightness	540 cd/m <sup>2</sup> (Peak Brightness)	540 cd/m <sup>2</sup> (Peak Brightness)	1000 cd/m <sup>2</sup>	1000 cd/m <sup>2</sup>
Contrast Ratio	1,000,000:1	1,000,000:1	1400:1	1000:1
Input Voltage	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz
Operating Temperature	-10° ~ 50°	-10° ~ 50°	-10° ~ 50°	-10° ~ 50°
Power Consumption	90W	100W	120W	140W
VESA Installation	VESA MIS-D(100 X100mm)	VESA MIS-D(200 X 200mm)	VESA MIS-D(100 X 100mm)	VESA MIS-D(200 X 200mm)
Accessory	Power Cord /Desktop stand	Power Cord /Desktop stand	Power Cord /Desktop stand	Power Cord /Desktop stand

\* Specifications may be changed without prior notice.

## KUM SERIES 4K&8K HDR MONITOR / SPECIFICATIONS

Model No.	KUM-1720Q	KUM-2420Q	KUM-2720Q	KUM-3120Q	KUM-4320Q	KUM-5520Q	KUM-6520Q
Panel	LCD	LCD	LCD	LCD	LCD	LCD	LCD
Display Size	17.3"	24"	27"	31.5"	43"	55"	65"
Resolution	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160	3840 x 2160
Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9	16:9
Viewing Angle	178° (H) 178° (V)	178° (H) 178° (V)	178° (H) 178° (V)	178° (H) 178° (V)	178° (H) 178° (V)	178° (H) 178° (V)	178° (H) 178° (V)
Color Depth	16.7M	1.07B	1.07B	1.07B	1.06B	1.07B	1.07B
Brightness	400 cd/m <sup>2</sup>	540 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>
Contrast Ratio	1000:1	1000:1	1000:1	1000:1	1000:1	1100:1	1400:1
Input Voltage	DC 12V AC 100-240V 50/60Hz	DC 12V AC 100-240V 50/60Hz	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz	AC 100-240V 50/60Hz
Operating Temperature	-10° ~ 50°	-10° ~ 50°	-10° ~ 50°	-10° ~ 50°	-10° ~ 50°	-10° ~ 50°	-10° ~ 50°
Power Consumption	50W	70W	63W	90W	100W	170W	180W
VESA Installation	VESA MIS-D (100 X 100mm)	VESA MIS-D (100 X 100mm)	VESA MIS-D (100 X 100mm)	VESA MIS-D (200 X 200mm)			
Accessory	Power Cord Desktop stand	Power Cord Desktop stand	Power Cord Desktop stand	Power Cord Desktop stand	Power Cord	Power Cord	Power Cord

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**Konvision**

Broadcast and Professional Monitors

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