4K SDI and HDMI quad-view support

KUM-5510W

4K Native 4K Resolution | HDR High Dynamic Range | SDI 12G-SDI

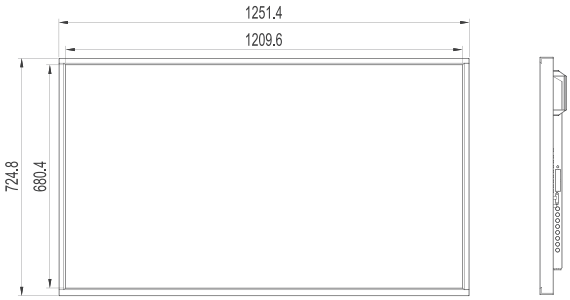
55" 4K HDR MONITOR

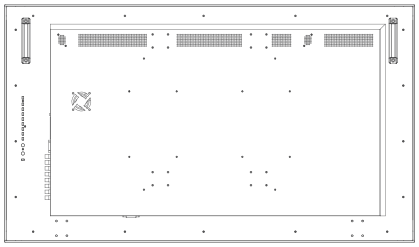
KUM-5510W, 55" 4K HDR monitor supports not only single 4K picture, also with unique quad split mode function, support 4 different signal format 1080P/1080i/720P/1080P on split windows. 55" 4K HDR monitor is perfect for 4K news rooms, control rooms main media center and so on.

BT.2020 | Waveform | VectorScope | Focus Assist | Audio Meter | False Color | Zebra | TSL UMD | GPI

LCD Panel	
Model No.	KUM-5510W
Backlight	LED
Size	55"
Resolution	3840×2160
Aspect Ratio	16 : 9
Viewing Angle	178°(H) / 178°(V)
Color Depth	1.07B
Brightness	400cd/m²
Contrast Ratio	1200:1
Input	
2x BNC	12G-SDI 1/2 signal inputs (Auto-detected and compatiable to 6G/3G/HD/SD-SDI)
2x BNC	3G-SDI 3/4 signal inputs (3G/HD/SD-SDI auto detected)
1 x SDI SFP	SDI SFP input cage
1 × HDMI 2.0	HDMI 2.0 Signal
Output	
2 x BNC	12G-SDI 1/2 signal outputs (Auto-detected and compatiable to 6G/3G/HD/SD-SDI)
2 x BNC	3G-SDI 3/4 signal outputs (3G/HD/SD-SDI auto detected)

Main Body Dimensions





Main Body:1251.4×724.8×80.9(mm)
Weight: 30KG
¤ Without Stand

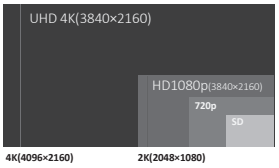
Specifications

- 3840x2160 4K resolution,10Bit LCD panel
- 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
- 1xHDMI2.0 input, 1xSDI SFP module optical input cage
- 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)
- 4K HDR 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 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.



- 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.

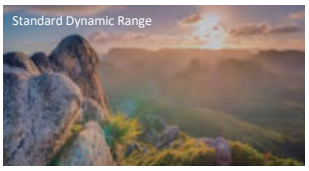
Calibration Softwares:

calman

LIGHT ILLUSION

- High Dynamic Range(HDR)

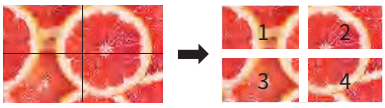
Konvision KUM 4K, 8K and KVM-6X series support HDR display. Adjusrtable HDR modes include PQ(ST2084), HLG with Rec 2020 color gamut. It reproduces a greater dynamic range of luminosity and provides extremely high level picture quality and image reproduction.



- SQD and 2SI 4K singal

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

4K Square Division (SQD)： Quadrant based segmentation



- Quad View Mode

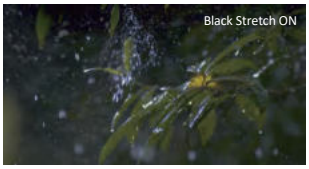
You can input 4x independent SDI sources or 3x independent SDI sources and 1x HDMI source to quadview,support different SDI or HDMI format mixed inputs with different frequency rate.

- 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.

- 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 avoide any missing infomation.

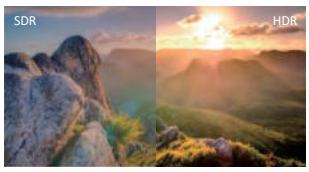


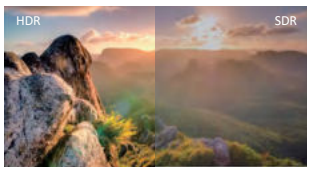
- Motion-Adaptive Interlace to Progressive

Realizing quick response of the fast moving image, avoids duzzy, 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 & SDR Comparison

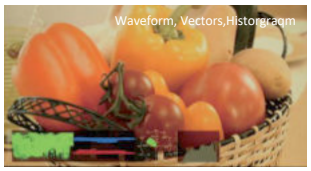
Konvision 8K and 4K monitors offer HDR & SDR side by side comparision. This function allows customers to compare the difference between HDR and SDR on the same screen. it allows users to see more picture details and color in scense.





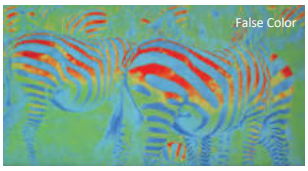
- 4K HDR Waveform (Alarm), Vectors

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).



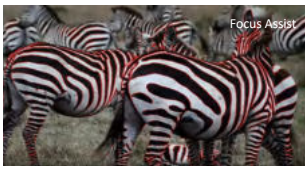
- False Color

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.



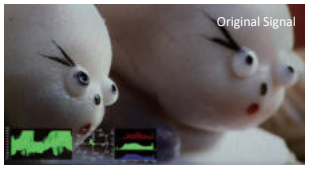
- Focus Assist

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.



- 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.



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	120W
VESA Installation	VESA MIS-D (200×200mm)
Accessory	Power Cord

¤ Specifications may be changed without prior notice.