Konvision

KVM-2260W

21.5 INCH
FHD HDR Broadcast LCD Monitor

FHD | 250 nits | 1000:1 Contrast | HDR | 178° H/V

3G SDI | HDMI | 2K Signal | PBP&PIP | 3D-LUT Calibration

INTRODUCTION

KVM-2260W adopts 21.5 inch 1920 × 1080 FHD resolution, 178° H/V wide viewing angle IPS LCD panel, supports HDR emulation and multiple standard color spaces and Gamma, adapts to multiple mainstream camera EOTF and also supports 3rd-party LUT files import. It has built-in waveform, vectors and other professional image analysis tools, can be applied with color grading software such as DaVinci for real-time color grading. The dual-channel SDI inputs and loop outputs supports 2K signal. KVM-2260W can be widely used in broadcasting, television and digital film shooting, DIT, post-production and other professional applications.

HIGHLIGHTS

- 1920×1080 FHD resolution, 178°H/V viewing angle, IPS LCD panel
- 12-bit video signal processing with zero delay display
- 2×2K/3G/HD-SDI input/output, 1×HDMI input
- 1×DVI input, compatible with HDMI/VGA conversion input
- 1×YPbPr input, 1×Composite video input/output
- 3D LUT color calibration support for ColourSpace & Calman
- Supports color spaces: Rec.709/EBU/DCI-P3/DCI-P3 D65/Rec.2020
- HDR support: HLG (1.03/1.11/1.16/1.20/1.27/1.33), ST2084 PQ/(soft roll)
- Multiple gamma options: Gamma 2.0/2.2/2.4/2.6
- Multiple camera gamma curves: Arri LogC, Canon Log/2/3, DJI D-Log, Panasonic V-Log, Sony S-Log/2/3
- USB/network ports for loading custom 3D LUT files and firmware upgrades
- PBP/PIP Display for 2xSDI/mixed signals
- PIP child window size adjustable and position swappable
- Interlaced to progressive, display original interlaced pictures
- Automatic recognition of color system PAL/NTSC
- Pixel measurement, simultaneous measurement of 32 pixels' color info for dimming
- Darkness check to brighten the picture's dark part for more details
- Picture flip/Zoom/Over-scan/Under-scan/H/V delay
- Waveform, Vectorscope, Histogram allowing to display one or all scopes
- False color, Zebra, Focus Assist, Blue only/Mono
- Markers: Aspect Ratio, Center Area, Safe Area, Box Frame Adjustment
- Each SDI input de-embedding 16-channel audio, optionally any 2-channel audio output, and audio phase diagram support
- Abnormal detection and alarm for no audio, EDH error, CRC error, etc.
- Time code (VITC1、VITC2、LTC)
- UMD/IMD display, TSL3.1/4.0/5.0 protocol
- Ethernet/GPI control, support RS422 input and output
- GPI remote control for tally, auxiliary functions, signal switching,etc
- Supports 608/708 Closed Caption
- Aluminum alloy case, speaker, headphone jack, tally
- 12V DC and 220V AC dual power inputs

SPECIFICATION

Panel	
Model No.	KVM-2260W
Backlight	LED
Size	21.5″
Resolution	1920×1080
Aspect Ratio	16:9
Viewing Angle	178°(H) / 178°(V)
Brightness	250cd/m^2
Contrast Ratio	1000:1
Color Depth	8bit
Input	
2×BNC	3G/HD/SD-SDI
3×BNC	YPbPr/Video/Y/C
1×HDMI	HDMI
1×DVI	DVI/VGA/HDMI
Output	
2×BNC	3G/HD/SD-SDI
3×BNC	YPbPr/Video/Y/C
Remote Interface	
1×RJ45	10/100M Ethernet Input Interface
1×RJ45	GPI Input Interface
2×RJ45	RS422 Input and Loop Out Interface
Audio In & Out	
Audio In	3.5mm Headset Jack 16-Channels SDI & 2-Channel outputs
Audio Out	3.5mm Headset Jack, 2×3.0W Speakers
Audio Meter	Vertical/horizontal display
General	
Input Voltage	DC 12V & AC 100-240V 50/60Hz
Power	≤30W
Installation	VESA MIS-D (100×100mm)
Net Weight	≈6.8kg
Accessory	Power Cord /Desktop Stand

*Specifications may be changed without prior notice.

### ▪ FHD resolution, IPS LCD panel

Adopts 21.5inch IPS LCD panel, 1920×1080 FHD resolution, 178° H/V wide viewing angle, presenting vivid images.

▪ Motion-Adaptive Interlace to Progressive

High-end video processing engine, motion-adaptive interlace to progressive. It realizes a quick response to the fast-moving image, avoids fuzzy, sawtooth, and other problems, and ensures a clearer and smoother image. It can satisfy more demanding applications such as live sports, camera shaking, and rolling subtitles, etc.

▪ SDI / HDMI / DVI Interfaces, support 2K signal

Equipped with 2 x 3G/HD/SD-SDI signal inputs and loop-out, 1 x HDMI input, supports DVI, YPbPr component signal, composite video signal input, and supports 2K signal.

YPbPr signal
Video signal

1 x DVI input
1 x HDMI input

2 x 3G/HD/SD-SDI inputs
2 x 3G/HD/SD-SDI outputs
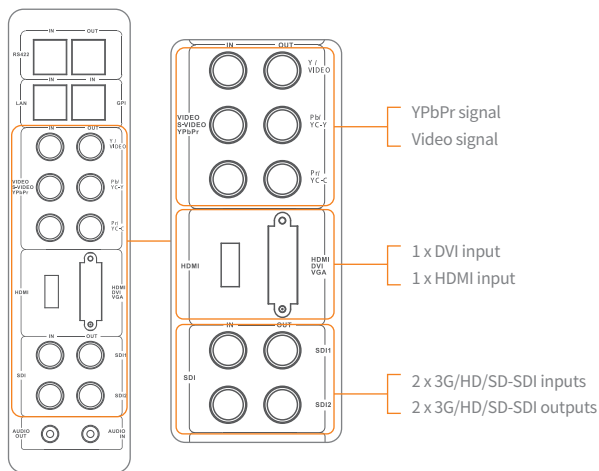
▪ High Dynamic Range(HDR)

Konvision KUM 4K, 8K, and KVM-6X series support HDR display. Adjustable HDR modes include PQ (ST2084) and HLG with Rec 2020 color gamut. It reproduces a wider dynamic range of luminosity and provides an incredibly high-level picture quality.
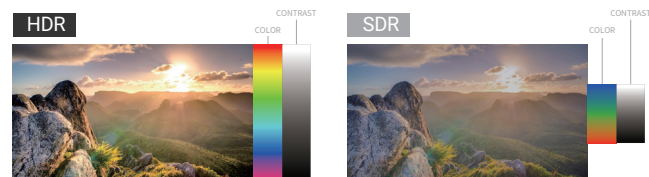
· HDR EOTF：HLG (1.03/1.11/1.16/1.20/1.27/1.33)、ST2084 PQ/(softroll)

▪ Color Spaces & Gamma Curves

Supports various color spaces such as HD (Rec.709), UHD (BT.2020), and digital cinema (DCI-P3) specified by the ITU standard, and built-in Log curves for multiple cameras of mainstream brands: Arri LogC, Canon Log/2/3, DJI D-Log, Panasonic V-Log, Sony S-Log/2/3.

· Color spaces：Rec.709/EBU/DCI-P3/DCI-P3 D65/Rec.2020
· Gamma：2.0/2.2/2.4/2.6

▪ 3D LUT Calibration & LUT Files Import

Each Konvision monitor is well calibrated with 3D LUT color calibration technology before leaving the factory to ensure accurate colors. User can load and store custom 3D LUT tables through the USB port/Ethernet port, effectively simplifying the color grading process for DIT and post-production work.
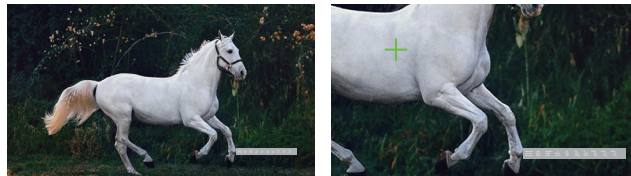
▪ PBP/PIP Display

The dual-image mode supports PBP/PIP display of dual-channel SDI signals or mixed signals, allowing user to check the images of different signal sources in real time on the same screen and switch easily.
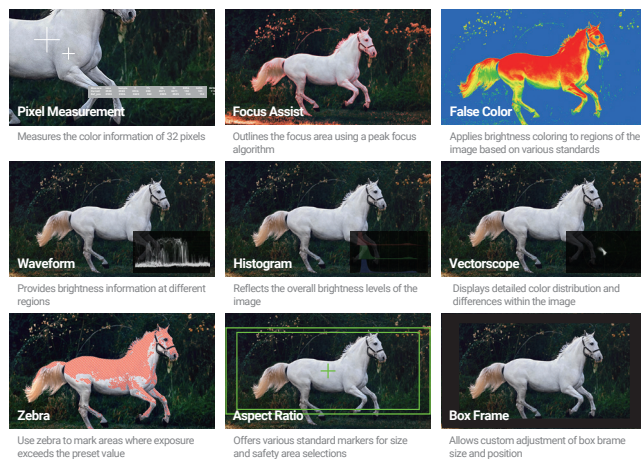
PIP

PBP

· In PIP mode, you can adjust the size of the sub-window and swap the positions of the two windows.

▪ Pixel Measurement

Measure the color information of pixels, supporting YcbCr, RGB 10BIT, XYZ, xyY coordinates. This function can be used to guide on-site light adjustment for shooting with precise light control requirements.

▪ Professional Image Analysis Tools

Pixel Measurement
Measures the color information of 32 pixels

Focus Assist
Outlines the focus area using a peak focus algorithm

False Color
Applies brightness coloring to regions of the image based on various standards

Waveform
Provides brightness information at different regions

Histogram
Reflects the overall brightness levels of the image

Vectorscope
Displays detailed color distribution and differences within the image

Zebra
Use zebra to mark areas where exposure exceeds the preset value

Aspect Ratio
Offers various standard markers for size and safety area selections

Box Frame
Allows custom adjustment of box brame size and position

▪ Audio Auxiliary Display

Supports 16-channel SDI, 2-channel HDMI audio meter display (VU & PPM), and optional 2-channel outputs through the 3.5mm headphone jack or speaker. The signal alarm will be triggered in an abnormal circumstance, such as no audio, high or low audio level, etc.