Konvision

KVM-2461W

24 INCH FHD
HDR REFERENCE MONITOR

FHD | 350 nits | 1000:1 Contrast | HDR Adaptive | 1.07B Color | 3G SDI | HDMI | 2K Signal | PBP&PIP | 178° H/V Viewing Angle



INTRODUCTION

The KVM-2461W features a 24-inch 1920×1080 FHD IPS panel with 178° H/V viewing angles. It supports HDR adaptive, multiple color spaces and Gamma, and is compatible with OETF of mainstream cameras. Built-in professional image analysis tools including waveform, vector scope and more enable real-time color grading with software such as DaVinci Resolve. Equipped with 2 × SDI inputs & loop-outs, it supports 2K signal, making it ideal for broadcast TV and digital film shooting, DIT and post-production applications.

SPECIFICATION

Panel	
Model No.	KVM-2461W
Backlight	LED
Size	24"
Resolution	1920×1080
Aspect Ratio	16:9
Viewing Angle	178°(H) / 178°(V)
Brightness	350cd/m²
Contrast Ratio	1,000:1
Color Depth	10bit(8bit+FRC) 1.07B
Input	
2× BNC	3G/HD/SD-SDI (×2)
3×BNC	Composite video signal, YPbPr component signal
1×HDMI	HDMI (×1)
1× DVI	DVI-I (×1), compatible with HDMI/VGA conversion input
Output	
2× BNC	3G/HD/SD-SDI (×2)
3×BNC	Composite video signal, YPbPr component signal
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 headphone jack; 16-channel embedded audio meters with selectable 2-channel audio output
Audio Out	3.5mm headphone jack; 2× 3.0W speakers
Audio Meter Display	Vertical/horizontal display
General	
Input Voltage	DC 12V / AC 100-240V 50/60Hz
Power	≤32W
Installation	VESA MIS-D (100×100mm)
Net Weight	≈7.4kg
Accessory	Power Cord

*Specifications may be changed without prior notice.

HIGHLIGHTS

Advanced Display & Color Management
- Color spaces: Rec.709 / EBU / DCI-P3 / DCI-P3 D65 / Rec.2020 / USER1/ USER2 / Bypass
- HDR standards: ST2084PQ, HLG(1.0/1.1/1.2/1.3/1.4/1.5)
- Multiple camera OETF: Arri LogC, Canon Log/2/3, DJI D-Log, Panasonic V-Log, Sony S-Log/2/3
- EOTF options: 2.0/2.2/2.4/2.6
- Supports interlaced-to-progressive display; Fast Mode enables zero-latency display of the original interlaced image
- Automatic PAL/NTSC color system detection

Input & Output
- Supports SMPTE 425-AB 4:4:4 12bit processing without image latency
- 2× 3G-SDI inputs & loop-outs (compatible with HD/SD-SDI)
- 1× HDMI input
- 1× DVI input, compatible with HDMI/VGA conversion input
- 1× YPbPr component signal input with loop-out
- 1× composite video signal input with loop-out

3D LUT
- 3D LUT calibration compatible with ColourSpace/Calman
- Supports custom 3D LUTs loading (User1-2)

Multi-View Monitoring
- Supports 2 × SDI or mixed-signal PBP and PIP display
- PIP sub-window is adjustable in size and position, with instant dual-view swap

Monitoring Tools
- Horizontal mirror, zoom, overscan, underscan, and H/V delay
- Waveform, vector scope, and histogram, displayed simultaneously or individually
- Darkness Check, brightens dark areas for detail inspection
- Pixel Measurement
- False Color, Focus Assist, Zebra, Blue-only/Monochrome modes
- Aspect ratio, center, and safe area markers, with Box control
- Supports signal alarms (no signal, black, freeze, no audio, audio level high/low, EDH error, CRC error)

Audio Processing & Broadcast Ancillary Features
- Each SDI path de-embeds 16-channel of audio with selectable 2-channel output; supports audio phase meter
- VITC1/2, LTC timecode
- Static/Dynamic UMD/IMD (supports TSL 3.1/4.0/5.0)
- Ethernet/GPI control interfaces, RS422 input/output
- GPI remote control for Tally/auxiliary functions/signal switching
- Supports 608/708 Closed Captioning (CC)

Mechanical Design & Operation
- Aluminum alloy chassis with built-in speaker and headphone jack, with volume control, and Tally indicator
- Supports shortcut keys for functions and signal interfaces
- Supports dual power inputs: DC 12V and AC 220V

FEATURES

Wide-view, FHD IPS Panel

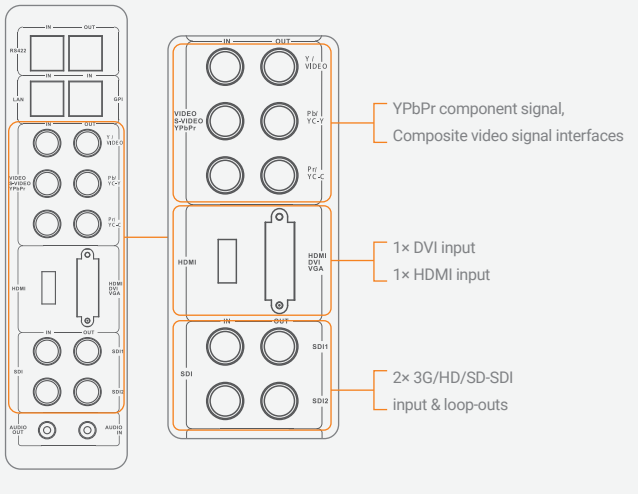
Features a 24-inch IPS LCD panel with 1920×1080 FHD resolution and 178° H/V viewing angle for clear picture quality.

Motion Auto-adaptive Algorithm for Smoother Playback

The motion auto-adaptive algorithm converts interlaced signals to progressive, while Fast Mode enables zero-latency display of the original interlaced image, eliminating blur and jagged edges in fast-motion scenes for smooth, seamless playback.

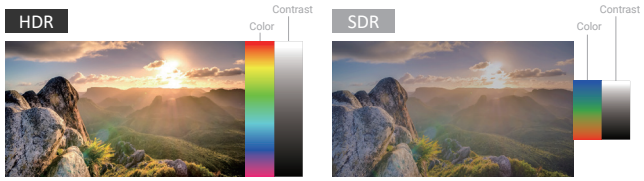
SDI/HDMI/DVI Interfaces with 2K Signal Support

Equipped with 2× 3G/HD/SD-SDI inputs & loop-outs and 1× HDMI input; supports DVI, YPbPr component, and composite video inputs, as well as 2K signal.



Supports HDR Adaptive for High-quality Image Reproduction

Supports High Dynamic Range (HDR) adaptive, delivering standard HDR EOTF for deeper contrast between light and dark, smoother color transitions, and enhanced image depth.



· HDR EOTF：HLG（1.0/1.1/1.2/1.3/1.4/1.5）、ST2084 PQ

Supports Standard Color Spaces with Built-in Camera Log Curves

Supports ITU-standard color spaces including HD (Rec.709), UHD (BT.2020), and digital cinema (DCI-P3), with built-in Log curves for mainstream cameras: Arri LogC, Canon Log/2/3, DJI D-Log, Panasonic V-Log, Sony S-Log/2/3.

- Color Space: Rec.709/EBU/DCI-P3/DCI-P3 D65/Rec.2020/Bypass
- EOTF: 2.0/2.2/2.4/2.6

3D LUT Color Calibration with Custom 3D LUT Support

Every Konvision monitor is factory-calibrated using our proprietary tetrahedral interpolation 3D-LUT technology to ensure color accuracy. Users can load and save multiple custom 3D LUTs via USB port/network port, effectively simplifying the color grading process for DIT and post-production work.

PBP/PIP Display for Simultaneous Monitoring Multiple Images

Dual-view mode supports PBP/PIP display of 2×SDI or mixed signals, enabling real-time monitoring of different sources on a single screen with easy switching.



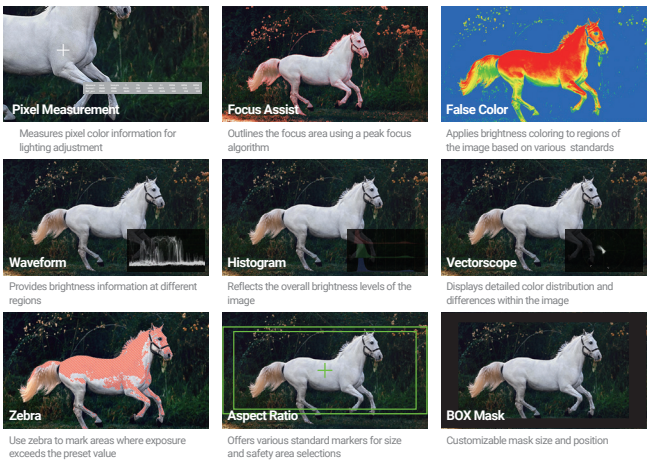
- In PIP mode, the sub-window size is adjustable and the two windows can be swapped.

Pixel Measurement for Effective On-set Lighting Adjustment

Measures pixel color information, supporting YCbCr and RGB 8bit, which is ideal for guiding on-set lighting in shoots requiring precise light control.



Professional Image Analysis Tools



Audio Assist Monitoring Tools

Supports 16-channel SDI and 2-channel HDMI audio meter display (VU & PPM); selectable 2-channel output via 3.5mm headphone jack or speaker; signal alarms for abnormal conditions such as no audio and audio level high/low.