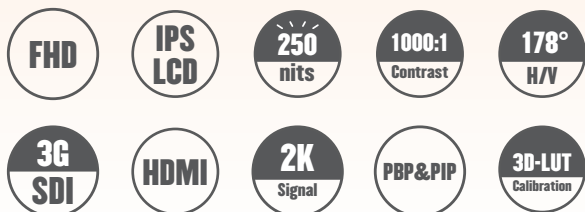


KVM-2451W

24 INCH

FHD Broadcast LCD Monitor



INTRODUCTION

KVM-2451W is a 23.8 inch multi-functional broadcast monitor, equipped with 1920 x 1080 FHD resolution, 178° H/V wide viewing angle of IPS LCD panel. It supports dual SDI inputs and loop outputs and multiple video interfaces, supports PBP&PIP display, and has built-in waveform, vectors and other image analysis tools, an ideal choice for editing and post-production 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
- Support REC 709 color space
- 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/Overscan/Underscan/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
- Aluminum alloy case, speaker, headphone jack, tally
- 12V DC and 220V AC dual power inputs

SPECIFICATION

Panel	
Model No.	KVM-2451W
Backlight	LED
Size	23.8"
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	≤32W
Installation	VESA MIS-D (100×100mm)
Net Weight	≈7.4kg
Accessory	Power Cord /Desktop Stand

*Specifications may be changed without prior notice.

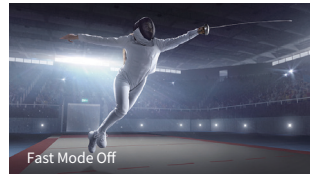
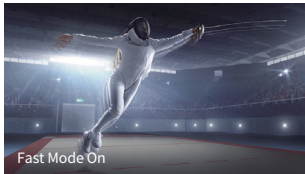
FEATURES

▪ FHD resolution, IPS LCD panel

Adopts 23.8 inch IPS LCD panel, 1920×1080 FHD resolution, 178° H/V wide viewing angle, presenting vivid images.

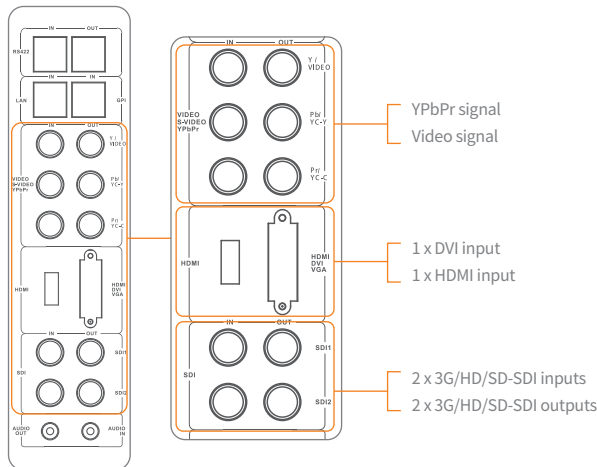
▪ Motion-Adaptive Interlace to Progressive

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.



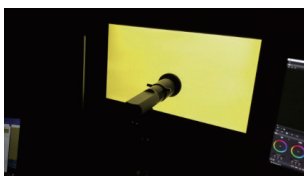
▪ SDI / HDMI / DVI Interfaces, support 2K signal

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.



▪ 3D LUT Color Calibration

Tetrahedral 3D LUT interpolation color calibration technology. Compatible with ColourSpace and Calman calibration software, Konvision monitors apply K10-A/CR100 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 Software:



▪ PBP/PIP Display

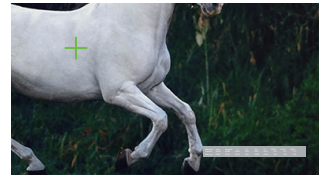
The dual-image mode supports PBP/PIP display of dual-channel SDI signals or mixed signals, allowing user to check the images of different signal sources in real time on the same screen and switch easily.



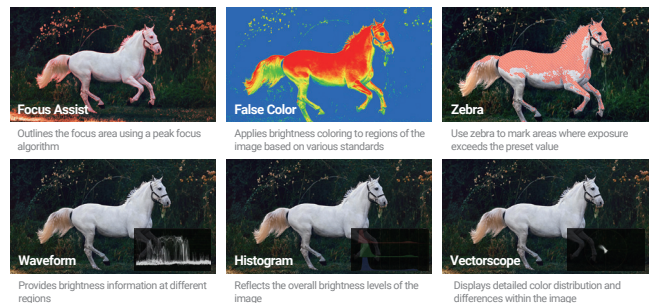
· In PIP mode, you can adjust the size of the sub-window and swap the positions of the two windows.

▪ 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



▪ Versatile Composition Assistance Functions

It supports center mark and aspect ratio mark, provides multiple standard mark sizes and allows customization, can set the safety range synchronously, and supports BOX control adjustment.



▪ Audio Auxiliary Display

Supports 16-channel SDI, 2-channel HDMI audio meter display (VU & PPM), and optional 2-channel output 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.

