10 Bit LCD Panel

KVM-2450W

FHD Native Resolution

3G 3G-SDI Signal

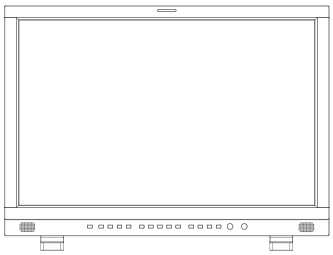
24" 10BIT FHD BROADCAST MONITOR

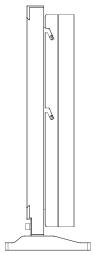
KVM-2450W(350nits) is a 24inch multifunctional monitor that supports full video formats. It provides with waveform, vector scope, audiometer and so on professional broadcast features. Efficient features make it a nice choice for color grading, production, post-production and editing, as well as studio and OB truck.

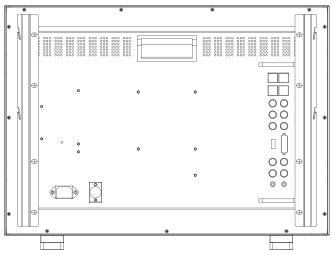
2K 3G-SDI BT.709 Waveform Vectors Pixel Measure Zebra Focus Assist False Color Audio Meter TSL UMD GPI

LCD Panel	
Model No.	KVM-2450W
Backlight	LED
Size	24"
Resolution	1920×1200
Aspect Ratio	16 : 10
Viewing Angle	178°(H) / 178°(V)
Color Depth	1.07B
Brightness	350cd/m²
Contrast Ratio	1000:1
Input	
2 x BNC	SDI 1/2 signal inputs *(Auto-detected and compatiable to 3G/HD/SD-SDI)*
3 x BNC	YPbPr/Video/Y/C inputs
1 x HDMI	HDMI input
1 x DVI-I	DVI/VGA inputs
Output	
2 x BNC	SDI 1/2 signal outputs *(Auto-detected and compatiable to 3G/HD/SD-SDI)*
3 x BNC	YPbPr/Video/Y/C outputs

Main Body







Specifications

- 1920x1200 resolution, 10 Bit LCD panel
- 12 Bit Video Processing, image no delay
- 3G-SDI 4:4:4 12bit signals (SMPTE 425M A/B)
- 2x2K/3G-SDI inputs and outputs(2K/3G/HD/SD-SDI auto detect)
- 1x DVI-D input,1x HDMI input, 1x composite video input
- Part Zoom In
- Black Stretch function
- H/V Delay, Over Scan, Markers
- Audio Level Meter, Blue/Mono Only
- Remote control: Ethernet/GPI, RS422 In/Out
- Dynamic UMD(TSL3.1/4.0), Time Code Display
- LED Tally Light and On-screen Tally display
- F-key configuration and Key Lock function
- Built-in AC in and DC in power supply
- 3D LUT Color calibration with LightSpace & CalMAN
- Waveform,Vectorscope for SDI1 and SDI2
- Waveform, Vectorscope for HDMI/DVI
- Pixel Measurement and Audio Phase
- PBP/PIP(size/position adjustable)
- Picture Flip,Focus Assist
- False Color
- Zebra

Main Features

- 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

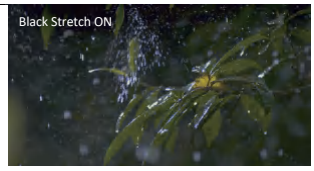
LIGHT ILLUSION

- Waveform(Alarm),Vectors

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).

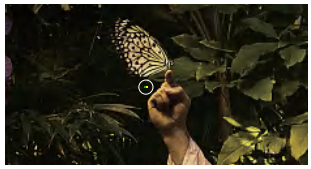
- Black Stretch

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.



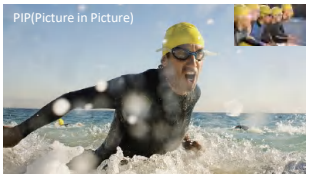
- Part Zoom In

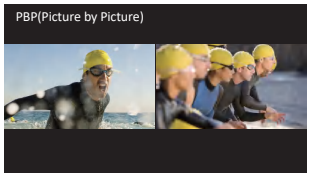
Part Zoom in function allows user Zoom In any part of the picture, to watch picture details more clearly, and assist for focus.



- PIP & PBP

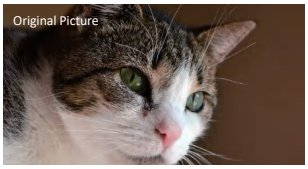
Images of two SDI signals manage to display on screen at the same time. It also supports PIP and PBP for one SDI signal with the other signal (Video/Component/HDMI/DVI/VGA). The two images can swap freely between each other.

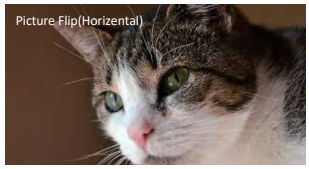




- Picture Flip

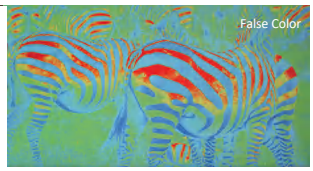
Horizontal picture flip function allows negative image,is very useful in the studios/virtual studios,such as weather forecast,news and other programs,etc.





- 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.

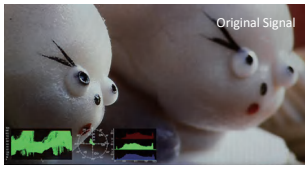


- Focus Assist

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.



- Pixel Measurement

Select any single pixel or block of pixels by using a movable cross-hair to obtain real time readouts of the Y&RGB values of the selected position. This function is to get real time Y&RGB measurement values of any point of the input signals and compare the values of of any two points.

Measure	Line	Sample	Y	Y%	Cb	Cr	R256	G256	B256
Current	0520	0988	0516	050	0571	0471	153	131	112
Ref_pos	0550	0936	0623	062	0505	0525	150	153	159

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	DC 12V and AC 100-240V 50/60Hz
Power Consumption	45 W
Power-Saving Mode	Turn off unimportant key automatically if no signal input
VESA Installation	VESA MIS-D (100×100mm)
Accessory	Power Cord /Desktop stand

¤ Specifications may be changed without prior notice.