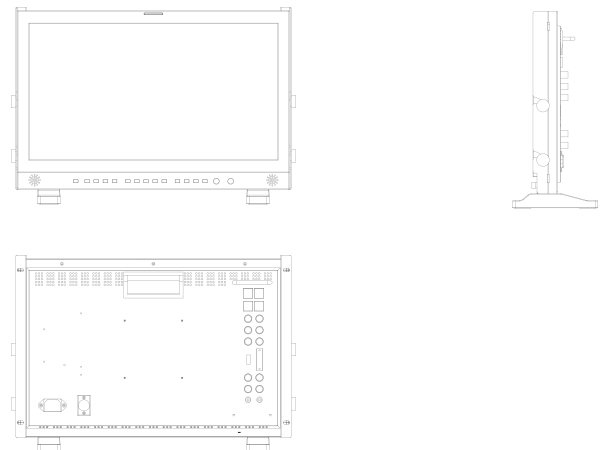**HD** Native Resolution   **3G** 3G-SDI Signal

18.5" BROADCAST LCD MONITOR

KVM-1950W is a multi-functional 18.5inch monitor, supports full video formats includes 2K and 3Gbs SDI 4:4:4 12 Bit signals. Efficient features make it a nice choice for 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

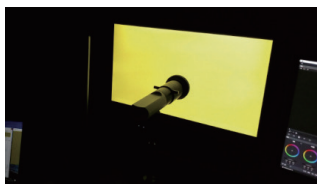| LCD Panel	
Model No.	KVM-1950W
Backlight	LCD
Size	18.5"
Resolution	1366×768
Aspect Ratio	16 : 9
Viewing Angle	178°(H) / 178°(V)
Color Depth	16.7M
Brightness	300cd/m²
Contrast Ratio	1000:1
Lifetime	≥50000 hours
Input	
2 x BNC	SDI 1/2 signal inputs *(Auto-detected and compatible to 3G/HD/SD-SDI)*
3 x 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 compatible to 3G/HD/SD-SDI)*
3 x BNC	YPbPr/Video/Y/C outputs

Main Body

Specifications

- 18.5" 1366×768 native resolution
- IPS LCD Panel
- 12Bit video processing
- 3D LUT color calibrated in factory
- 3G-SDI 4:4:4 12Bit signals (SMPTE 425M A/B)
- 2x2K/3G/HD-SDI in/out
- Composite/Component in/out
- PIP/PBP (size/position adjustable)
- Wide type/Waveform (waveform alarm)
- Waveform, Vector scope, Audio Meter for SDl1, SDl2, HDMI
- Histogram, Pixel Measurement

- Picture Flip, H/V Delay
- Focus Assist. Zoom
- False Color, Zebra
- Scan, Marker, Blue Only/Mono
- Audio Phase, Time Code
- Audio Meter （16ch SDl, 2ch HDMI）
- Dynamic UMD (TSL3.1 /4.0)
- Built-in DC IN /AC IN
- Power-off Memory
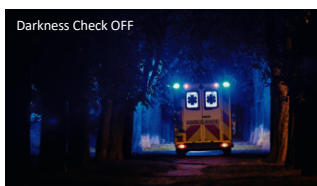- Ethernet/GPI, RS422 in/out
- Darkness Check

3D LUT Color Calibration

Compatible with ColourSpace 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.
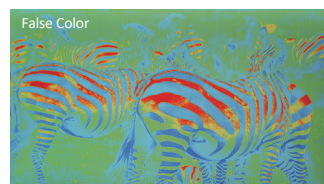
Calibration Softwares:

calman

ColourSpace

Darkness Check

Increasing the brightness and contrast ratio in the dark areas, Darkness Check function can show more shadow details of the input signal. Darkness Check can be used for double checking the shadow detail of the dark areas to avoid any missing infomation.

Darkness Check OFF

Darkness Check ON

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.
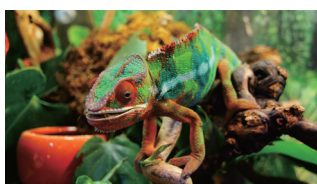
Original Signal

False Color

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.

Original Signal
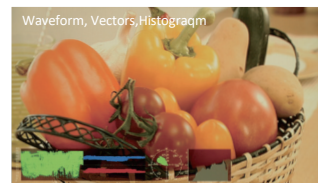
Zebra

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.

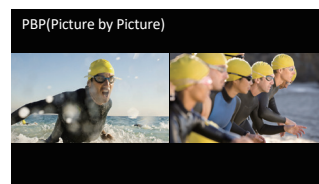| Measure	Line	Sample	Y	Y%	Cb	Cr	R256	G256	B256
Current	0520	0988	0516	050	0571	0471	153	131	112
Ref_pos	0550	0936	0623	062	0505	0525	150	153	159

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).

Waveform, Vectors,Histograqm

Waveform Alarm

PIP & PBP

It 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.

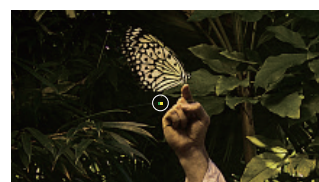PIP(Picture in Picture)

PBP(Picture by Picture)

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.
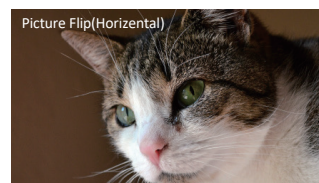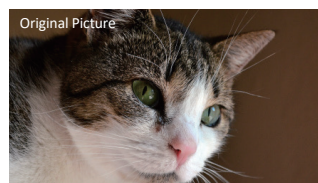
Original Signal

Focus Assist

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.

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.

Original Picture

Picture Flip(Horizental)

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	32 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.