KFM-1753W
17.3 INCH
FHD Drawer Monitor

Konvision

- FHD
- IPS LCD
- 300 nits
- 700:1 Contrast
- 178° H/V
- 3G SDI
- 2K Signal
- PBP&PIP
- 3D-LUT Calibration
- 1RU RACK

INTRODUCTION

KFM-1753W 1 RU drawer monitor with full HD 1920x1080 resolution, built-in 2x3G-SDI inputs and outputs, supporting waveform, vector scope, audio meter display, etc.1 RU compact design makes it perfect for OB Vans, portable mobile studios, EFP, rack rooms, EIA, etc.

HIGHLIGHTS

- 1920×1080 FHD resolution, 178°H/V viewing angle, IPS LCD panel
- Support forward and backward pushandpull, up and down positioning flip
- 2×2K/3G/HDSDI input/output, 1×Composite video input/output
- 1×DVI input, compatible with HDMI/VGA conversion input
- 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 support 16ch embedded audio meters & 2channel output
- 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
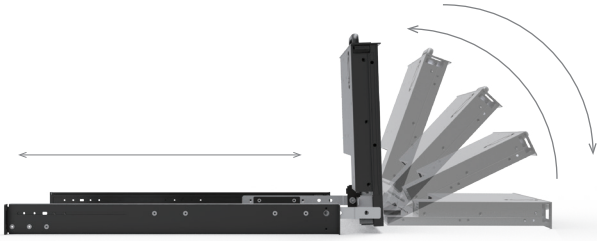- Aluminum alloy case, speaker, headphone jack, tally

SPECIFICATION

Panel	
Model No.	KFM-1753W
Backlight	LED
Size	17.3″
Resolution	1920×1080
Aspect Ratio	16:9
Viewing Angle	178°(H) / 178°(V)
Brightness	300cd/m^2
Contrast Ratio	700:1
Color Depth	8bit
Input	
2×BNC	3G/HD/SD-SDI
1×BNC	Video Signal
1×DVI	DVI/VGA/HDMI
Output	
2×BNC	3G/HD/SD-SDI
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, 1×2.2W Speakers
Audio Meter	Vertical/horizontal display
General	
Input Voltage	DC 12V
Power	≤26W
Installation	19" EIA Rack 1RU
Net Weight	≈6.6kg
Accessory	Power Cord

*Specifications may be changed without prior notice.

▪ 19inch 1RU Standard Rackmount with Pushpull Design

1RU slim chassis design, 19inch standard rack mount, reduces space occupation, supports front and rear pushpull as well as vertical positioning and flipping, making mobile casemounted studios more portable and electronic field production more convenient.

▪ FHD resolution, IPS LCD panel

Adopts 17.3 inch IPS LCD panel, 1920×1080 FHD resolution, 178° H/V wide viewing angle, presenting vivid images.
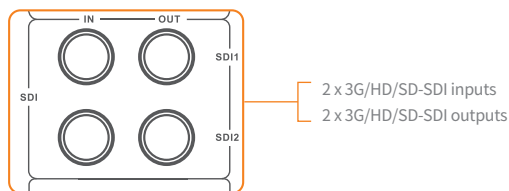
▪ Motion-Adaptive Interlace to Progressive

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.

Fast Mode On

Fast Mode Off

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

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

2 x 3G/HD/SD-SDI inputs
2 x 3G/HD/SD-SDI outputs

▪ 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.

▪ 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.
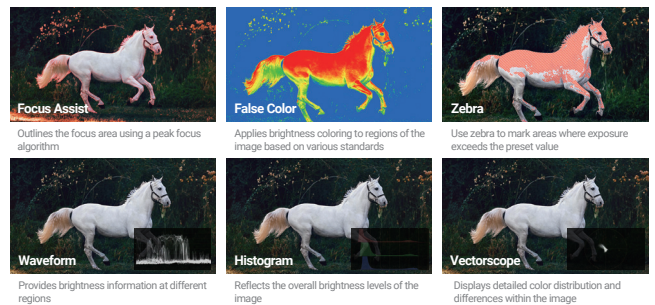
PIP

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.
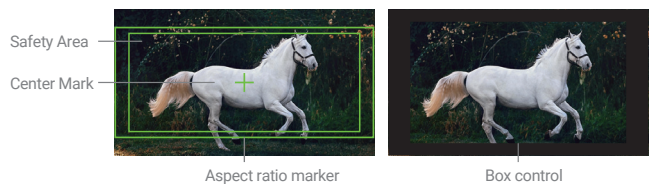
▪ Professional Image Analysis Tools

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

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

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

▪ 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.

Safety Area
Center Mark

Aspect ratio marker

Box control

▪ 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.

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