

SWIT®



BM-U173

17.3" UHD 12GSDI 4K HDR Broadcast Monitor

Features

■ 17.3-inch UHD LCD

3840x2160 UHD native resolution, 8bit+2FRC, H/V 178/178 viewing angle, LED backlight, 300nit, 800:1 contrast

■ Wider Color Gamut

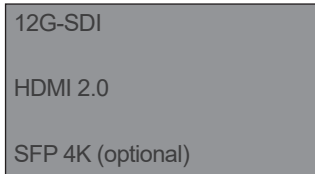
Support 100% ITU709, 91.5% DCI-P3 Color Gamut

■ 18-bit Processing

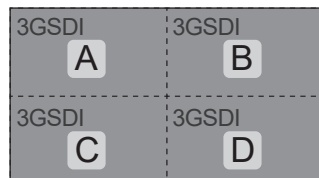
Support internal 18-bit signal processing

■ Multiple 4K interfaces

Support multiple 4K inputs of 2x 12G-SDI, Quad-link 3G-SDI (Quad & 2SI), HDMI 2.0 and SFP 12G (By optional SFP adaptor)



Single link 4K input



Quad link and 2SI 4K input

■ HDR capability

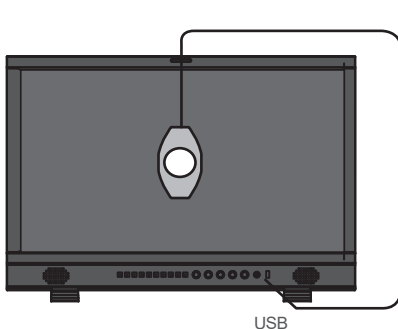
Support HLG HDR, ST.2084 PQ and S-log3 HDR display to present realistic image.

■ 3DLUT auto Calibration

Support 3DLUT 17x17x17 precise auto calibration, with built-in color generator and calibration software. Support X-rite i1 Display (special version) and JETI Specbos 1211 to directly plug into monitor USB port to auto calibrate.

Calibration time: X-rite i1: 15min; Specbos1211: 45min

Calibration result: $\Delta E < 1.0$



Built-in 3DLUT calibration software, Directly connect color sensor probe to monitor USB port, and the monitor will calibrate itself automatically.

■ Zero Latency Mode

Support Zero latency mode (less than 1/100 frame) under 4K input sources, for special image processing mode for lip-sync monitoring.

■ Built-in De-log LUTs

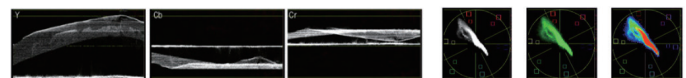
With built-in De-log LUTs including Log-C, S-log2, S-log3, C-log, V-log and RedLogFilm LUTs, to convert to ITU709 directly

■ User 3DLUT upload

Support user 3DLUT cube files to upload by USB, which is convenient for color creation during post-production monitoring.

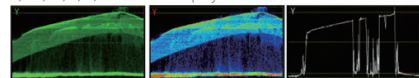
■ Waveform/Vector/Histogram

Support waveform selection display (Y, Cb, Cr, R, G, B), and single lines selection mode; support vector scope and R/G/B/Y histogram display, with multiple display position, size and color selection.



Y, Cb, Cr, R, G, B selection display

Vector scope with color selection

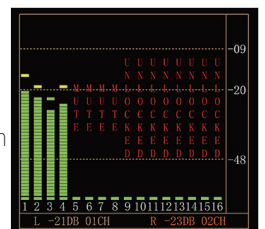


Color selection and single line mode

R/G/B/Y histogram

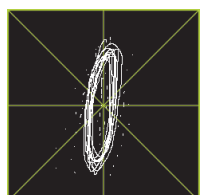
■ Audio meters / Lissajous pattern

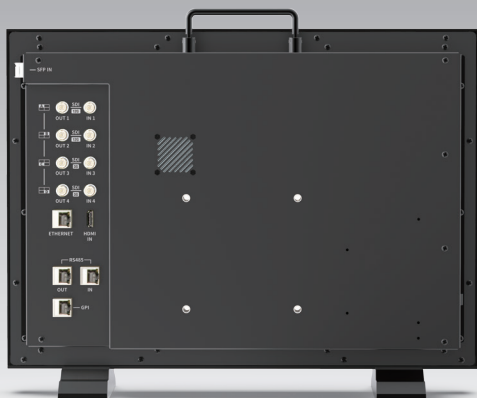
Display up to 16-ch de-embed audio level meters, with audio abnormal alerts info, and support to select any 2 channels audio to output via 3.5mm socket or speakers. Support audio Lissajous display.



■ Others

Support TSL 3.1/4.0/5.0 UMD display
SDI timecode (LTC, VITC1&2) display
Focus assist display mode
R/G/B/Mono, False color, Zebra stripes
H/V delay, freeze frame
GPI control and webserver IP control





- ◆ 12GSDI/4x3GSDI/HDMI2.0/4K SFP
- ◆ HLG / Dolby Vision / S-log3 HDR
- ◆ 3DLUT Auto Calibration
- ◆ Audio/Video Zero Latency Mode
- ◆ 19-inch 7U Rack Mountable

BM-U173

Specifications

Video Formats

SDI IN/OUT 1&2, SFP (Optional)

4096×2160p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)
 3840×2160p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)
 2048×1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)
 2048×1080i (50 / 59.94 / 60)
 1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)
 1080i (60 / 59.94 / 50)
 1080psf (30 / 29.97 / 25 / 24 / 23.98)
 720p (60 / 59.94 / 50)
 480i (59.94) 576i (50)

SDI IN/OUT 3&4

2048×1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)
 2048×1080i (50 / 59.94 / 60)
 1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)
 1080i (60 / 59.94 / 50)
 1080psf (30 / 29.97 / 25 / 24 / 23.98)
 720p (60 / 59.94 / 50)
 480i (59.94) 576i (50)

4K Quadlink SDI IN/OUT (Each channel)

2048×1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)
 1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)

HDMI IN

4096×2160p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)
 3840×2160p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)
 1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98)
 1080i (60 / 59.94 / 50)
 720p (60 / 59.94 / 50)

MODEL		BM-U173
Display	LCD Size	17.3 inches
	Resolution	3840×2160
	Aspect Ratio	16:9
	Color Depth	16.77M
	Signal Process	18bit
	Color Gamut	100% Rec709; 91.5% DCI-P3
	Viewing angle	H/V 178/178
	Backlight	LED
	Brightness	300nit
	Contrast	800:1
Input	SDI	12G/6G/3G-SDI ×2 3G-SDI ×2
	HDMI	HDMI 2.0 ×1
	UMD	RS485×1
	GPI (Tally)	RS485×1
	Ethernet	RJ45×1, 1000M
	USB	USB-A×1 – 3DLUT & Firmware
Output	SDI	12G/6G/3G-SDI ×2 3G-SDI ×2
	Analog audio	3.5mm headphone + Speaker
	UMD	RS485×1
General	AC Input	AC 100-240V 50/60Hz
	DC Input	DC 12-17V
	Power Consumption	≤60W
	Working Temperature	0°C - +40°C
	Working Humidity	10% - 90%
	Storage Temperature	- 15°C - + 60°C
	Storage Humidity	10% - 90%