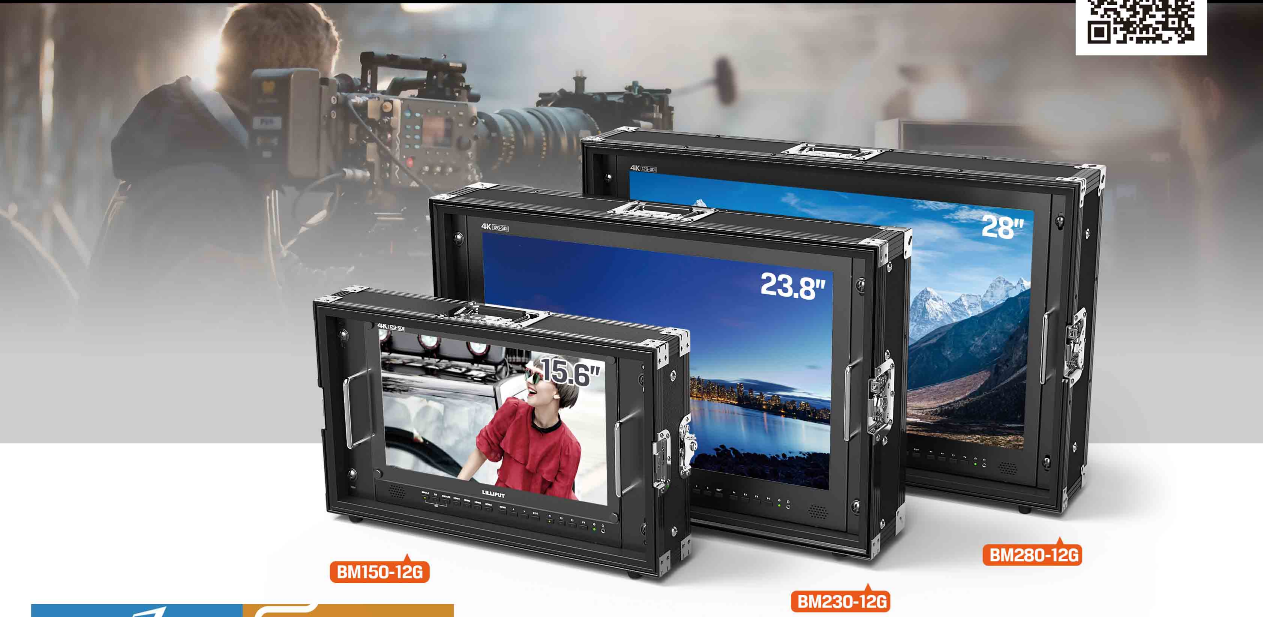
LILLIPUT® 15.6" 23.8" 28" Carry-on 4K Broadcast Director Monitor Series



3840×2160 Resolution

12G-SDI **4K HDMI**

Broadcast monitor for 4K/Full HD camcorder & DSLR
Application for taking photos & making movies

12G-SDI Single-Link

COMPLY WITH STANDARDS

- **ST2081-10**
  1×6G-SDI
- **ST2082-10**
  1×12G-SDI

SDI Compatibility

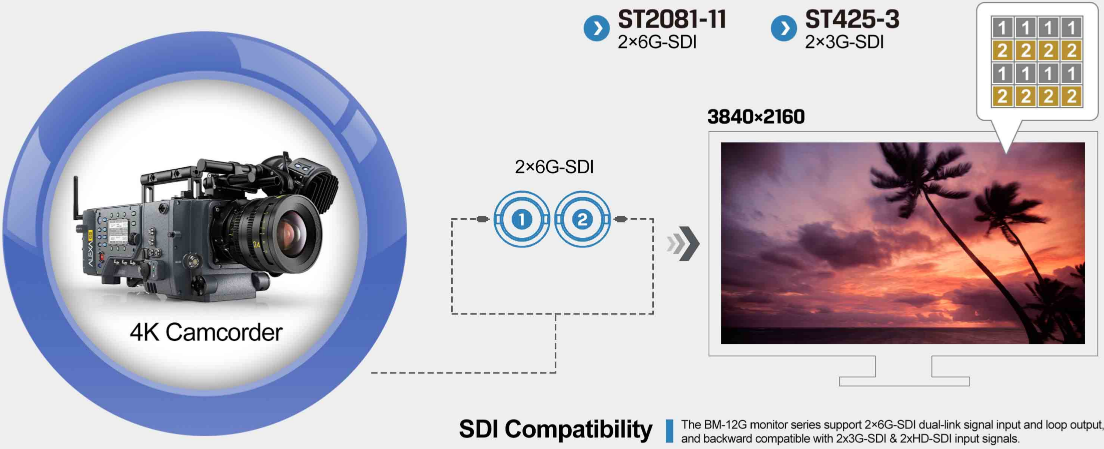
The BM-12G monitor series support 12G-SDI single-link signal input and loop output, and backward compatible with 6G-SDI, 3G-SDI, HD-SDI & SDI input signals;

4K Camcorder

12G-SDI Dual-Link

COMPLY WITH STANDARDS

- **ST2081-11** 2×6G-SDI
- **ST425-3** 2×3G-SDI



SDI Compatibility The BM-12G monitor series support 2×6G-SDI dual-link signal input and loop output, and backward compatible with 2x3G-SDI & 2xHD-SDI input signals.

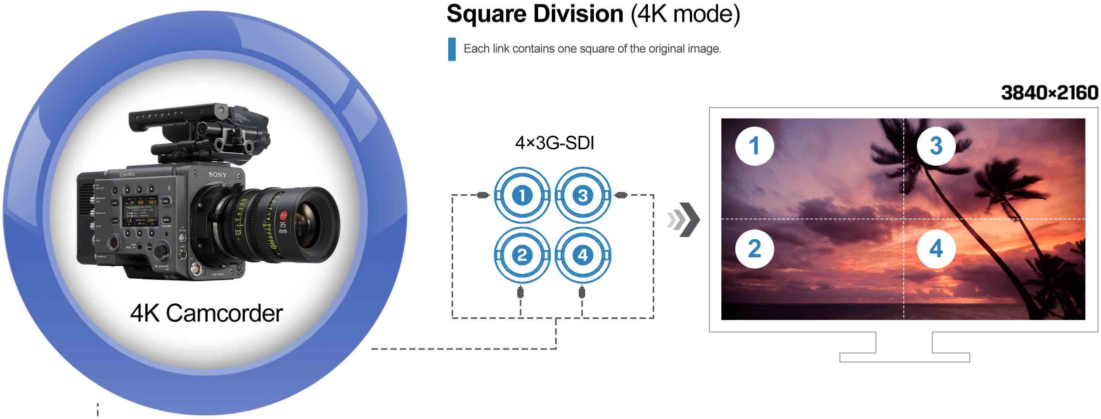
12G-SDI Quad-Link

COMPLY WITH STANDARDS

- **ST425-3** 4×HD-SDI
- **ST425-5** 4×3G-SDI

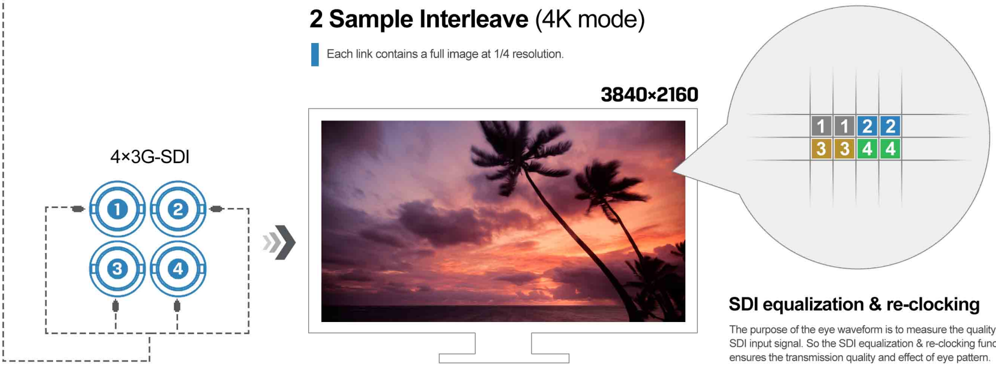
Square Division (4K mode)

Each link contains one square of the original image.



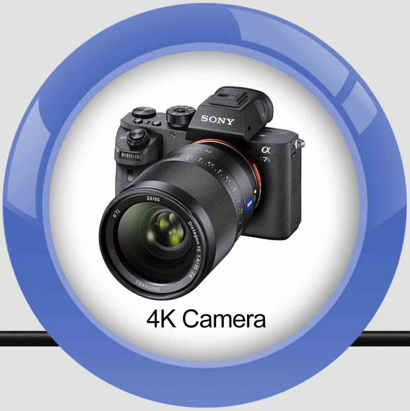
2 Sample Interleave (4K mode)

Each link contains a full image at 1/4 resolution.



SDI equalization & re-clocking

The purpose of the eye waveform is to measure the quality of the SDI input signal. So the SDI equalization & re-clocking function ensures the transmission quality and effect of eye pattern.

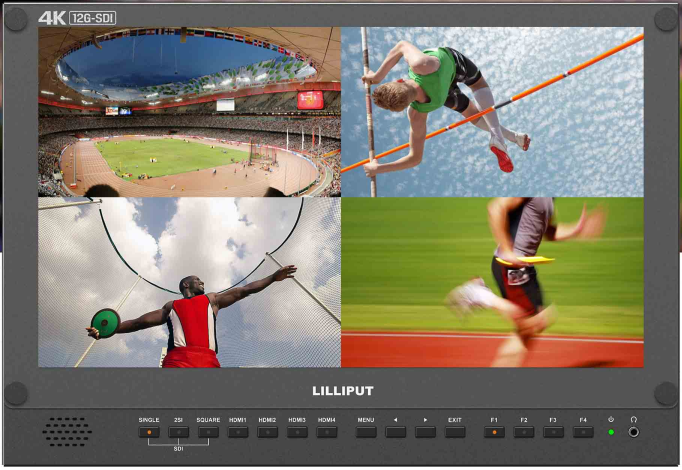


4K HDMI Signal Inputs

Matches with world-famous 4K/FHD camera brands,
to assist cameraman in better photography experience.

4K HDMI Formats

- **HDMI 2.0 supports 4K 60Hz signal input.**
  4096x2160 (23.98/24/25/29.97/30p/50i/60i/50p/60p)
  3840x2160 (23.98/24/25/29.97/30p/50i/60i/50p/60p)
- **HDMI 1.4 supports 4K 30Hz signal input.**



Multiple Views Display

It supports quad views splitted from different input signals simultaneously, such as 12G-SDI, 3G-SDI and HDMI. Also supports Picture-in-Picture function.

Camera Auxiliary Functions

Plenty of auxiliary functions for taking photos and
making movies, such as peaking, false color and audio level meter.

Quad View
False color
Peaking
Check field
Image flip
Overscan
Underscan
Image freeze
Aspect ratio
Center marker
Screen marker
Color temperature

LILLIPUT
4K 12G-SDI
LILLIPUT
LILLIPUT

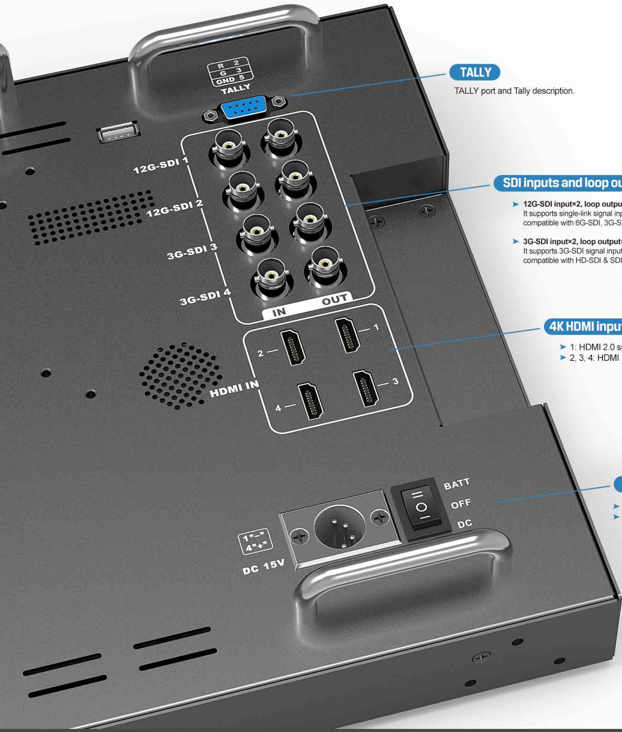
6U

Rack Mount

BM150-12G

Intelligent SDI Monitoring

It has a various of mounting methods for broadcast, on-site monitoring and live broadcast van, etc. As well as setup a video wall of rack monitors in control room and see all the scenes. A 6U rack for a customized monitoring solution also can be supported for viewing from different angles and images displays.



TALLY

TALLY port and Tally description.

SDI inputs and loop outputs

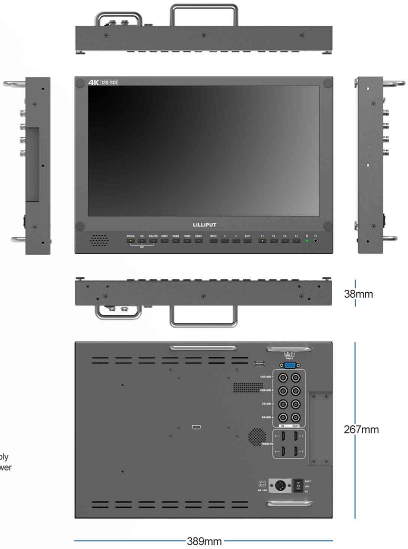
- **12G-SDI input×2, loop output×2**
  It supports single-link signal inputs and loop outputs, and backward compatible with 6G-SDI, 3G-SDI, HD-SDI & SDI input signals.
- **3G-SDI input×2, loop output×2**
  It supports 3G-SDI signal input and loop output, and backward compatible with HD-SDI & SDI input signals.

4K HDMI inputs

- 1: HDMI 2.0 supports 4K 60Hz
- 2, 3, 4: HDMI 1.4 supports 4K 30Hz

Power supply

- XLR DC power: connects 15V DC power supply
- Power switch: alternative for battery or DC power



BM150-12G 389×267×38mm / 524×305×170mm(with case)
BM230-12G 579×376.5×45mm / 666×417×173mm(with case)
BM280-12G 670×425×45mm / 761×474×173mm(with case)

Note: The product model No. of shown above is BM150-12G.

SPECIFICATIONS | ACCESSORIES

		BM150-12G	BM230-12G	BM280-12G
DISPLAY	Panel	15.6” IPS	23.8” IPS	28” 10bit IPS
	Physical Resolution	3840×2160		
	Aspect Ratio	16:9		
	Brightness	330cd/m²	300cd/m²	300cd/m²
	Contrast	1000:1		
	Viewing Angle	176° / 176°	178° / 178°	170° / 160° (H/V)
INPUT	12G-SDI	2		
	3G-SDI	2		
	HDMI	HDMI 2.0×1 (support 4K 60Hz) HDMI 1.4×3 (support 4K 30Hz)		
	Tally	1		
OUTPUT	12G-SDI	2		
	3G-SDI	2		
AUDIO	Speaker	1		
	Ear Phone Slot	1		

1. Folding sun shade cover	1 piece
2. Carry-on suitcase	1 piece
3. 15V DC adapter	1 piece
4. Adapter fixing belt	1 piece
5. Battery plate bracket	1 piece
6. V-mount or Anton Bauer mount	1 piece
7. Base bracket	1 pair

POWER	Current	2.8A (15V)	4.1A (15V)	4.1A (15V)
	Input Voltage	DC 12-24V (XLR)		
	Battery Plate	V-mount/ Anton Bauer mount		
	Power Consumption	≤34W	≤61.5W	≤61.5W
ENVIRONMENT	Operating Temperature	0℃~60℃		
	Storage Temperature	-20℃~60℃		
DIMENSION	Weight	3.4kg / 12kg	8.6kg / 17kgkg	9.4kg / 21kg(with case)

8. TALLY connector (in bulk)	1 piece
9. Manual	1 copy
10. Acrylic screen protector (optional for BM150-12G)	1 piece

Note: Due to constant effort to improve products and product features, specifications may change without notice.

SDI FORMAT UNDER 4K MODE

SQ-HD (ST 425-3)	3840x2160/4096x2160 (23.98/24/25/29.97/30p)	YCbCr 4:2:2 10bit
SQ-3G (ST 425-5)	3840x2160/4096x2160 (47.95p/48p/50/59.94/60p)	YCbCr 4:2:2 10bit
	3840x2160/4096x2160 (23.98/24/25/29.97/30/p)	GBR 4:4:4 10bits
		GBR+A 4:4:4 10bits
		YCbCr 4:4:4 10bits
		YCbCr+A 4:4:4 10bits
		GBR 4:4:4 12bits
		YCbCr 4:4:4 12bits
		YCbCr 4:2:2 12bits
2SI-3G (ST 425-5)	3840x2160/4096x2160 (47.95p/48p/50/59.94/60p)	YCbCr 4:2:2 10bit
	3840x2160 / 4096x2160 (23.98/24/25/29.97/30/p)	GBR 4:4:4 10bits
		GBR+A 4:4:4 10bits
		YCbCr 4:4:4 10bits
		YCbCr+A 4:4:4 10bits
		GBR 4:4:4 12bits
		YCbCr 4:4:4 12bits
		YCbCr 4:2:2 12bits
6G-SDI (ST 2081-10)	3840x2160/4096x2160 (23.98/24/25/29.97/30/p)	YCbCr 4:2:2 10bit
	1920x1080/2048x1080 (47.95/48/50/59.94/60p)	GBR 4:4:4 10bits
		GBR+A 4:4:4 10bits
		YCbCr 4:4:4 10bits
		YCbCr+A 4:4:4 10bits
		GBR 4:4:4 12bits
		YCbCr 4:4:4 12bits
		YCbCr 4:2:2 12bits
12G-SDI (ST 2082-10)	3840x2160/4096x2160 (47.95/48/50/59.94/60p)	YCbCr 4:2:2 10bit
	3840x216/4096x2160 (23.98p/24p/25p/29.97p/30p)	GBR 4:4:4 10bits
		GBR+A 4:4:4 10bits
		YCbCr 4:4:4 10bits
		YCbCr+A 4:4:4 10bits
		GBR 4:4:4 12bits
		YCbCr 4:4:4 12bits
		YCbCr 4:2:2 12bits

Note: Due to constant effort to improve products and product features, specifications may change without notice.