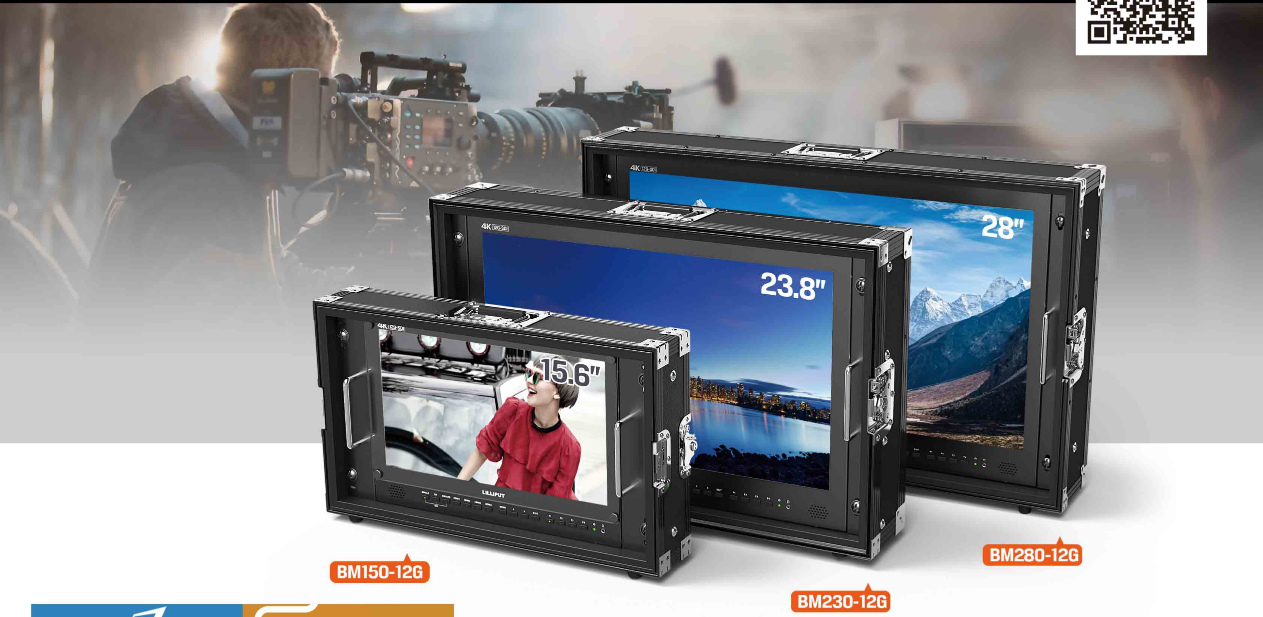
LILLIPUT® 15.6" 23.8" 28" Carry-on 4K Broadcast Director Monitor Series



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

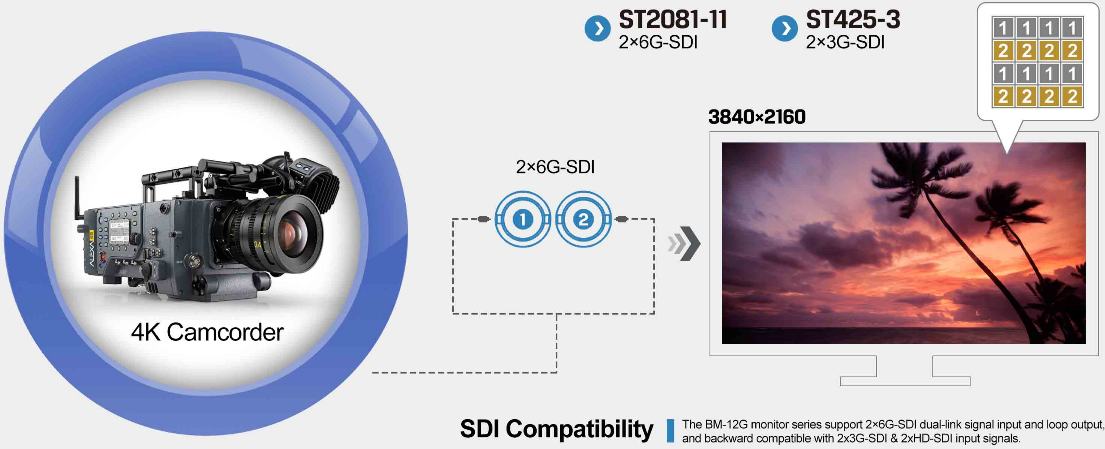
The BM-12G monitor series support 12G-SDI single-link signal input and loop output, and backward compatible with 6G-SDI, 3G-SDI, HD-SDI & SDI input signals;

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.

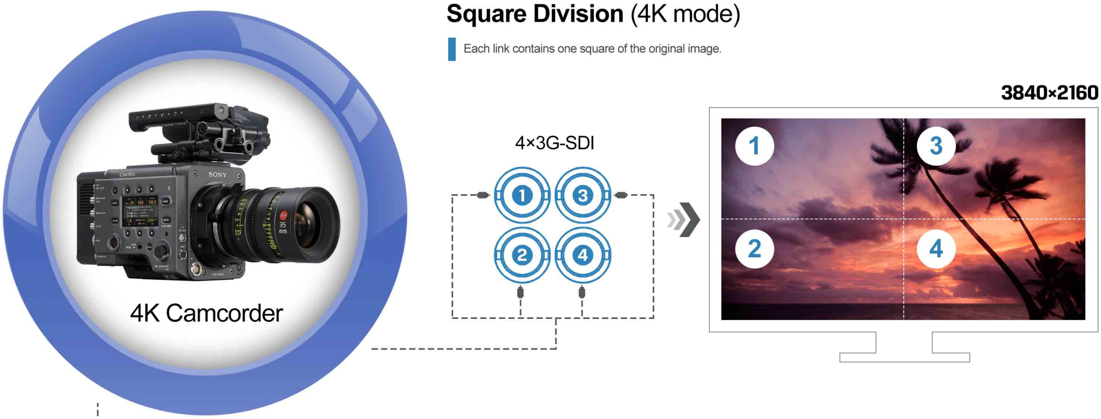
12G-SDI Quad-Link

COMPLY WITH STANDARDS

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

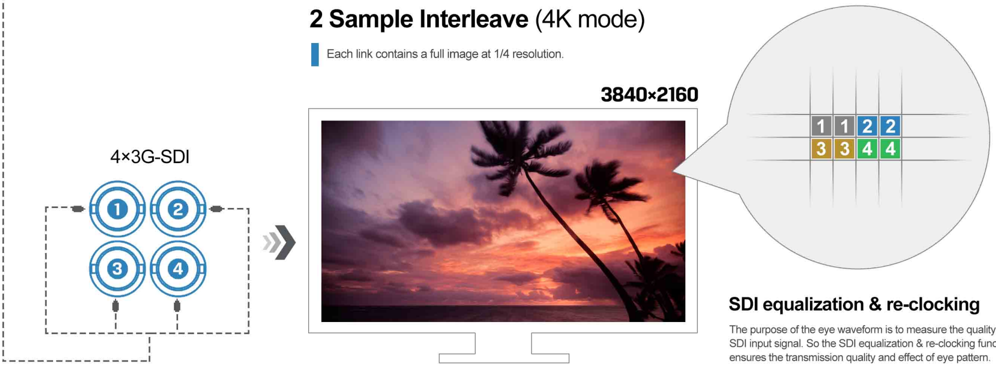
Square Division (4K mode)

Each link contains one square of the original image.



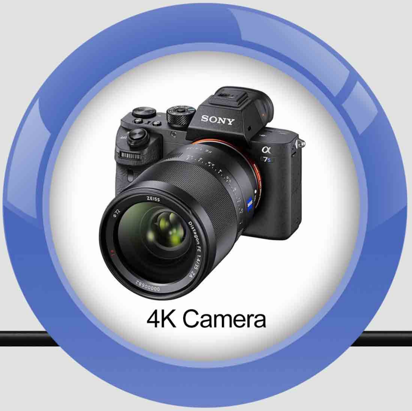
2 Sample Interleave (4K mode)

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.

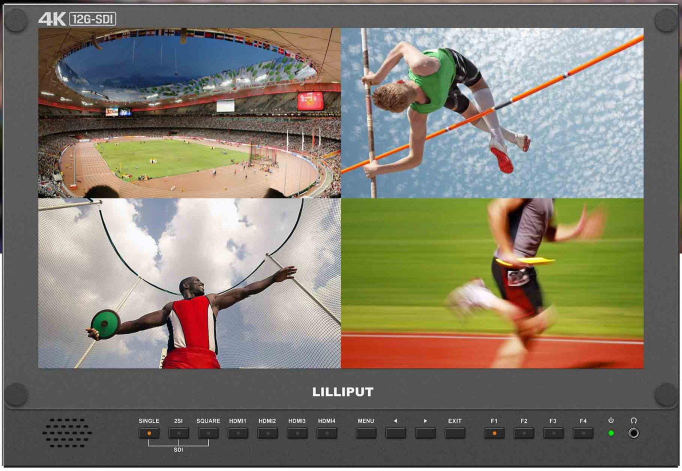


4K HDMI Signal Inputs

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.

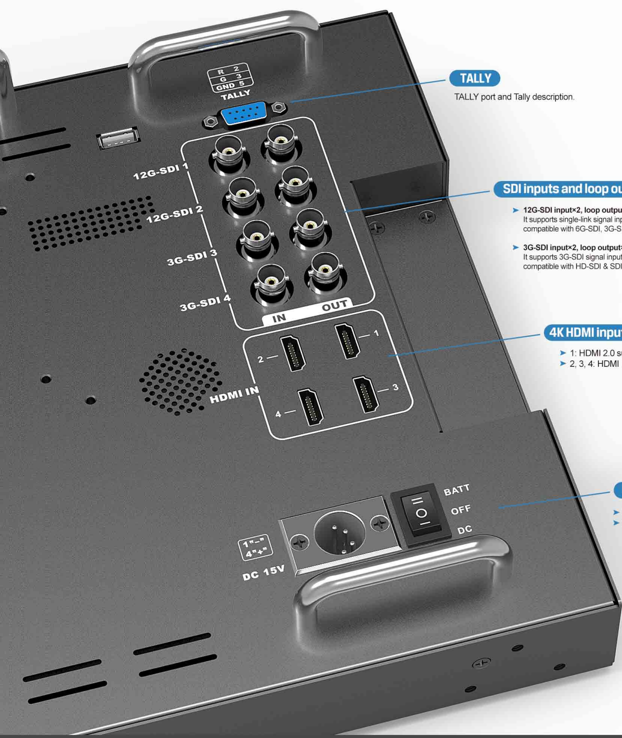
- Quad View
- False color
- Peaking
- Check field
- Image flip
- Overscan
- Underscan
- Image freeze
- Aspect ratio
- Center marker
- Screen marker
- Color temperature

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

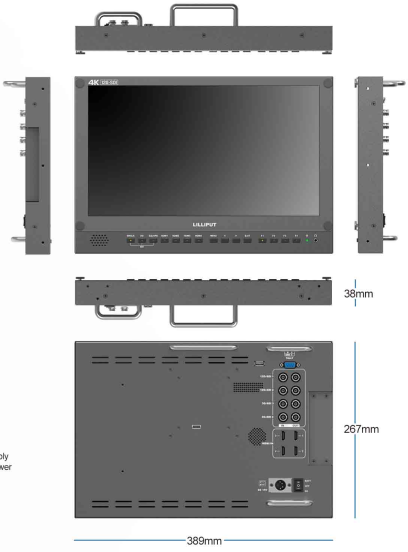
- **12G-SDI input×2, loop output×2**
  It supports single-link signal inputs and loop outputs, and backward compatible with 6G-SDI, 3G-SDI, HD-SDI & SDI input signals.
- **3G-SDI input×2, loop output×2**
  It supports 3G-SDI signal input and loop output, and backward compatible with HD-SDI & SDI input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