

3D HD LCD Monitor 24inch

SM-3324 Data Sheet

SM-3324, 3D full HD LCD monitor is your best choice for 3D acquisition and video engineering purpose. It will help you make high quality 3D image with its unique function for 3D camera adjustment and mirror rig system. With light and compact, full HD LCD panel with x-pol circular polarization filter of the monitor, you can make the fastest and easiest 3D system with direct connection to 3D camera

Features

3D acquisition assist, 3D measurement and mirror rig support functions as below

- **Circular polarization system**
3D image completed with x-pol, circular polarization filter and 3D glasses. Circular polarization system is prior for image quality to shutter system. It is incredibly wide view angle as well.
- **L/R direct input**
Two HD-SDI input modules make it possible to connect directly from 3D cameras. Nothing is necessary between the monitor and the camera. Full HD is available for both right and left eye, being different from side by side monitor.
- **Minimum delay**
Because 3D composer is not necessary between camera and monitor, there is no delay. Even inside the monitor, the delay is 0.1 to 3msec at maximum.
- **Support system**
Not only L/R dual stream direct input, SM-3324 supports 3D composed signal such as side by side, line by line and field sequential.
- **Dual link**
Dual link, SMPTE-372M input is available for both L and R channel as optional.
- **L/R phase adjustment**
Horizontal (-128 to +127 pixels) and vertical (-64 to +63 lines) image shift function is included for fine adjustment of L and R camera position.
- **Zoom**
You can use zooming function for pixel by pixel image monitoring. The position you want to check can be easily selected.
- **Inversion for mirror rig**
As you know, L or R image must be inverted with mirror rig 3D system. Even the case, you can check it smoothly because SM-3324 supports image conversion function for input signal.
- **Cursor for L/R difference measurement**
View difference from L to R can be measured by cursor. You can see on screen how many pixels between L and R.
- **Peak color for L/R respectively**
L/R outline peaking, exaggeration function is supported respectively for fine focus

adjustment of both L and R cameras

- **Fastest switching speed**

It supports with very high speed for 3D signal switching before the monitor. Other normal 3D monitor takes switching speed much longer than SM-3324.

- **Still image saving**

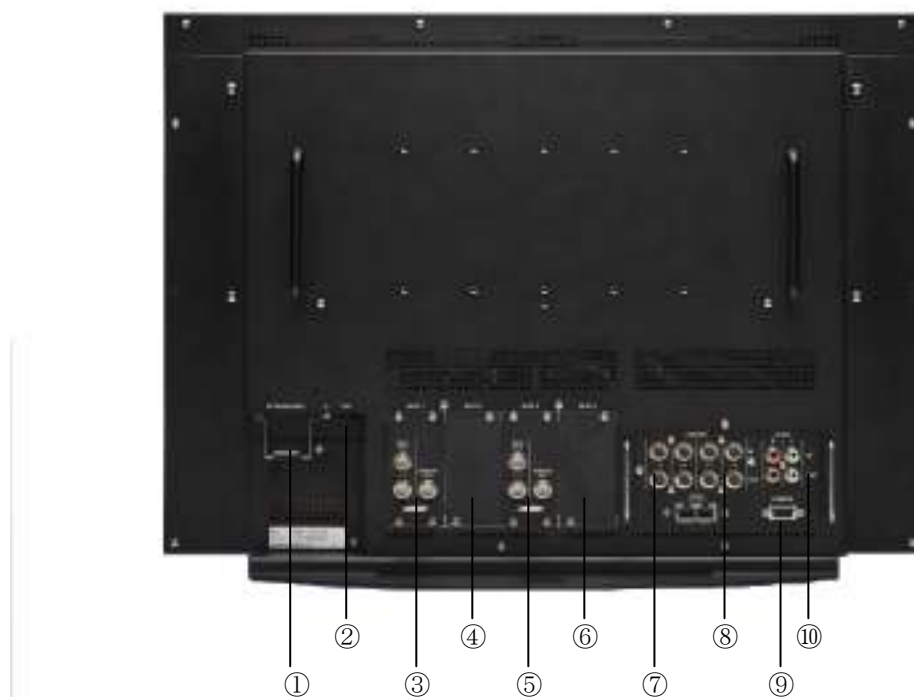
3D still image can be derived from USB port

Front view



- | | |
|-------------------------|-----------------------------|
| ① Speaker | ⑦ Picture adjustment button |
| ② Stereo headphone jack | ⑧ rotary encoder knob |
| ③ USB port | ⑨ Joy stick knob |
| ④ Input select button | ⑩ Power SW |
| ⑤ Function button | |
| ⑥ Menu button | |

Rear view



- | | |
|-----------------------|-----------------------------|
| ① AC input connector | ⑥ Input/output slot 4 |
| ② T5A fuse | ⑦ RS-485 connector |
| ③ Input/output slot 1 | ⑧ AES/EBU input/output |
| ④ Input/output slot 2 | ⑨ GPI (D-sub 15pin, female) |
| ⑤ Input/output slot 3 | ⑩ Analog audio input/output |

Specifications

Input	HD-SDI	2ch/slot, 2 slots (another 2 slots as optional)
	unbalanced AES/EBU	4 pairs
	Analog RCA	L/R
Output	HD-SDI	1ch/slot (monitor out)
	unbalanced AES/EBU	4 pairs
	Analog RCA	L/R (speaker out)
Signal	HD-SDI	SMPTE292M
	Dual link HD-SDI	SMPTE372M (as optional)
Format	HDTV	1080i60/59.94/50
		1080p30/29.97/25/24/23.98
		1080sF30/29.97/25/24/23.98
		720p60/59.94/50/30/29.97/25/24/23.98
Control	GPI	D-Sub 15pin
Display	LCD panel	S-IPS
	Color depth	8bit
	Contrast	TBD
	Brightness	TBD
	Response time	5msec (grey to grey)
	View angle	178degrees
	Resolution	1920 (H) x 1200 (V)
General	Voltage	AC100 to 240V, 50/60Hz
	Power consumption	95W, typical
	Operating temperature range	0 to 40°C
	Operating humidity range	10 to 80%RH (no condensation)
	Dimensions	552(W)×390(H)×123(D)mm (1U size:excluding projected parts)
	Weight	Approx. 10kg