

# LMD-4251TD / LMD-2451TD

Professional 3D LCD Monitor

**SONY**  
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In recent years, digital technologies for stereoscopic three dimensional (3D) cinema production and live shooting have progressed rapidly, and the market for 3D entertainment is growing exponentially.

At the movies, sporting events, concerts, and in many other locations, audiences are now eager for ever-more sophisticated levels of 3D impact and realism. To answer this demand requires solutions that support a more efficient 3D content creation workflow.

For 3D video monitoring, Sony offers two types of high performance professional LCD monitor: the LMD-4251TD (42-inch\*<sup>1</sup>) and LMD-2451TD (24-inch\*<sup>2</sup>).

These professional monitors incorporate a micro-polarizer filter attached to the LCD panel, and are supplied with circular polarizer 3D glasses. Wearing these lightweight 3D glasses, users can enjoy smooth, uninterrupted viewing of multiple monitors.

The hallmarks of these monitors are their highly acclaimed Sony-unique ChromaTRU color matching technology, and a full-HD (1920 x 1080) resolution professional LCD panel with an excellent wide viewing angle – developed without compromise because user convenience has top priority. With their dual-stream HD-SDI\*<sup>3</sup> interface, these two professional monitors support HD signals including 1080/59.94i, 1080/50i, 1080/24PsF, and 1080/23.98PsF formats.

\*<sup>1</sup> 1067-mm, viewing area measured diagonally.

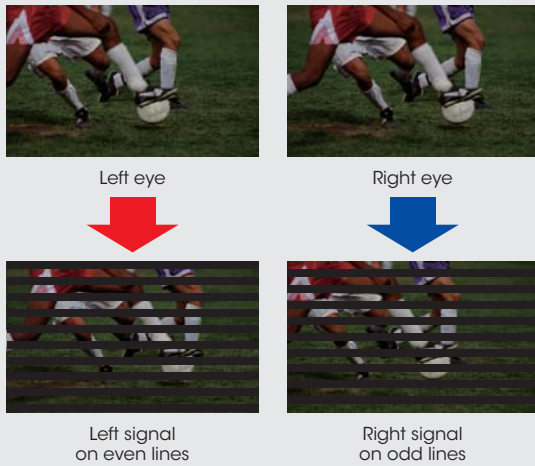
\*<sup>2</sup> 613-mm, viewing area measured diagonally.

\*<sup>3</sup> An optional interface adaptor is required.

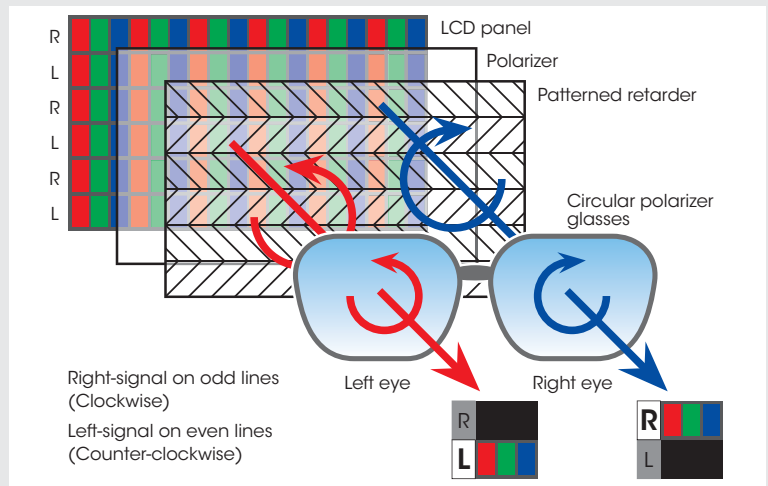
**LUMA**  
Professional LCD Monitor

**3D**  
world  
Created by Sony

### 3D Signal processing



### Principle of 3D Circular polarizer



LMD-4251TD



LMD-2451TD

### Features (tentative)

- High-resolution full HD professional monitors  
LMD-4251TD: 1920 x 1080 pixel resolution  
LMD-2451TD: 1920 x 1200 pixel resolution
- Micro-polarizer 3D filter
- Circular polarizer 3D glasses
- Wide viewing angle achieved with an IPS panel
- ChromaTRU color matching technology
- Consistent quality, functionality, and operability – essential for professional monitors
- Dual stream HD-SDI support\*
- Both 3D monitors can be used as 2D monitors, and their features are compatible with those of current LMD-50/51W Series monitors

\* An optional BKM input adaptor is required.

### 3D Signal Formats (tentative)\*1

- 3D signals on 3G-SDI (Level B)\*2
- Dual stream HD-SDI: 1080/60i, 50i, 24PsF, 720/60p, or 720/50p\*2
- Field sequential HD-SDI: 1080/30PsF, 25PsF, or 24PsF\*2
- DVI: Line-by-line 1920 x 1080/60p, 50p

\*1 All 3D signals are displayed on screen pixel-to-pixel.

\*2 An optional BKM input adaptor is required.

### Specifications (tentative)

	LMD-4251TD	LMD-2451TD
<b>Picture Performance</b>		
Type	α-Si TFT Active Matrix LCD	α-Si TFT Active Matrix LCD
Resolution	1920 x 1080 pixels (Full HD)	1920 x 1200 pixels (WUXGA)
Effective Picture Size (H x W) (Diagonal)	930 x 523 mm (36 3/4 x 20 3/4 inches) 1067 mm (Approx. 42 inches)	518.4 x 324.0 mm (20 1/2 x 12 7/8 inches) 613.2 mm (24 1/4 inches)
Aspect	16:9	16:10
Colors	Approx. 16.7 million colors	Approx. 16.7 million colors
Viewing Angle	TBA	TBA
<b>Input</b>		
Composite	BNC (x1)	BNC (x1)
Y/C	Mini DIN 4-pin (x1)	Mini DIN 4-pin (x1)
RGB, Component	BNC (x3)	BNC (x3)
DVI-D	DVI-D (x1) TMDS single link	DVI-D (x1) TMDS single link
HD15	D-sub 15-pin (x1)	D-sub 15-pin (x1)
Audio	Phono jack (x2) (L, R)	Phono jack (x2) (L, R)
External Sync	BNC (x1)	BNC (x1)
Option slot	2 slots	2 slots
Parallel remote	Modular connector 8-pin (x1) (Pin-assignable)	Modular connector 8-pin (x1) (Pin-assignable)
Serial remote	D-sub 9-pin (RS-232C) (x1), RJ-45 modular connector (Ethernet) (x1)	D-sub 9-pin (RS-232C) (x1), RJ-45 modular connector (Ethernet) (x1)
DC in	–	DC 24 V
<b>Output</b>		
Composite	BNC (x1)	BNC (x1)
Y/C	Mini DIN 4-pin (x1)	Mini DIN 4-pin (x1)
RGB, Component	BNC (x3)	BNC (x3)
External Sync	BNC (x1)	BNC (x1)
Audio monitor out	Phono jack x 2 (L, R)	Phono jack x 2 (L, R)
Speaker (Built-in)	1.0 W + 1.0 W (stereo)	1.0 W + 1.0 W (stereo)
<b>General</b>		
Power Requirement	AC 100 V to 240 V, 50/60 Hz	AC 100 V to 240 V, 50/60 Hz DC 24 V
Dimensions (W x H x D)	1027 x 616 x 130 mm (40 3/8 x 24 1/4 x 5 inches)	602.4 x 497.9 x 269.9 mm (23 3/4 x 19 5/8 x 10 3/4 inches)
Mass	TBA	TBA
Supplied accessories	TBA	TBA

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