

## Get a Clearer View on Your Medical Applications with this Compact and Lightweight LCD Monitor.

The Sony LMD-1420MD is a medical-grade 14-inch LCD monitor that has been designed for use in medical applications as a secondary monitor or for medical office use. Incorporating an advanced VGA-type LCD panel with a robust AR-coated protection layer, it reproduces bright and high-contrast images even in dark areas of the picture. In addition, the monitor comes equipped with a full range of SD inputs, allowing users to monitor images from various sources.

Compact, lightweight, and with a number of features for operational convenience, the LMD-1420MD is an ideal choice for getting a clearer view on your medical applications.



## LMD-1420MD

### MEDICAL SAFETY APPROVAL

The LMD-1420MD is UL 60 601-1 listed and complies with the CSA C22.2 N°601-1 and EN 60 601-1 safety regulations, making it suitable for use in professional medical applications.

## FEATURES

### Safety Listing and Compliance

The LMD-1420MD is UL60601-1 listed and complies with the CSA C22.2 No.601-1 and EN 60601-1 safety regulations, making it suitable for use in a wide range of professional medical applications.

### Excellent Picture Reproduction

Incorporating an extremely bright VGA-type LCD panel with 640 x 480 pixel resolution, the LMD-1420MD reproduces clear and precise images, which is a definite requirement for medical applications. In addition, these bright and high-contrast images can be viewed from almost any angle thanks to its wide aperture.

### Anti-Reflection (AR) Coated Protection Panel

To minimise the damage caused by scratches to the LCD panel, the LMD-1420MD features a robust AR-coated protection layer, which has the added benefit of also minimising reflections from ambient light.

### Input Versatility

The LMD-1420MD is equipped with a full range of SD inputs including analogue composite, Y/C (S-Video), 525i/625i component, and RGB. What's more, by adding the optional BKM-320D SD-SDI Input Adaptor, it is possible to view SD-SDI signals as well.

### Operational Convenience

- Colour temperature settings
- Key inhibit function
- Parallel control interface
- SDI\*1 input
- 19-inch EIA standard rack mountable
- VESA mounting standard compliance (100 mm spacing)

\*1 The optional BKM-320D is required.

Note: Due to the time required for signal processing and the response time of the LCD panel, the LMD-1420MD displays images with a slight delay. Therefore, this monitor is not recommended for critical operations in the medical field.

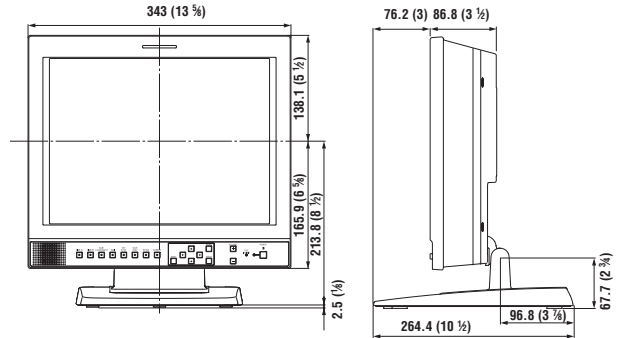
LMD-1420MD  
LCD Monitor

## LMD-1420MD Specifications

PICTURE PERFORMANCE		
LCD panel type	a-Si TFT Active Matrix LCD with a multi-layer AR-coated protection	
Resolution	640 x 480 pixels (VGA)	
Picture Size (H x W) (Viewable area) (Diagonal)	Approx. 283 x 212 mm (Approx. 11 1/4 x 8 3/8 inches) 354 mm (14-inch)	
Aspect	4:3	
Viewing Angle	85°/85°/85°/85° (typical) (up/down/left/right contrast>10:1)	
INPUT / OUTPUT		
INPUT		
Line A	Composite	BNC x 1, 1.0 Vp-p ±3dB 75 Ω termination, sync 0.3 Vp-p negative
	Y/C	DIN 4 pin x 1 Y: 1.0Vp-p ±3 dB, 75 Ω termination C: 0.286 Vp-p ±3 dB (NTSC), 0.3 Vp-p ±3 dB (PAL), 75 Ω termination, sync 0.3 Vp-p negative
	Audio in	RCA pin x 1, -5 dBu 47 kΩ or higher
	Line B	
Line B	Composite	BNC x 1, 1.0 Vp-p ±3dB 75 Ω termination, sync 0.3 Vp-p negative
	Audio in	RCA pin x 1, -5 dBu 47 kΩ or higher
RGB/Component	BNC x 3, 0.7 Vp-p ±3 dB 75 Ω termination, Sync on Green 0.3Vp-p, negative	
	Audio in	RCA pin x 1, -5 dBu 47 kΩ or higher
Option	D1-SDI	D-sub 9-pin x 1
	Audio in	RCA pin x 1 -5 dBu 47 kΩ or higher
External Sync	BNC x 1	
Remote	Parallel remote	
	Modular 8-pin (Assignable)	
OUTPUT		
Line A	Composite	BNC x 1, Loop-through, with 75 Ω automatic termination
	Y/C	DIN 4 pin x 1, Loop-through, with 75 Ω automatic termination
	Audio out	RCA pin x 1
Line B	Composite	BNC x 1, Loop-through, with 75 Ω automatic termination
	Audio out	RCA pin x 1, Loop-through
RGB/Component	BNC x 3, Loop-through, with 75 Ω automatic termination	
Audio out	RCA pin x 1, Loop-through	
External Sync	BNC x 1 Loop-through with 75 Ω automatic termination	
GENERAL		
Power Consumption	Approx. 51 W (with BKM-320D x 1)	
Power Requirements	AC 100 to 240 V, 50/60 Hz	
Operating Temperature	0 to 40 °C (32 to 104 °F)	
Operating Humidity	30 to 85 % (no condensation)	
Storage & Transport Temperature	-20 to 55 °C (-4 to 130 °F)	
Storage & Transport Humidity	0 to 90 % (no condensation)	
Operating/Storage/Trans. Pressure	700 to 1060 hPa	
Dimensions (W x H x D)	Approx. 343 x 354 x 264 mm (13 3/8 x 14 x 10 1/2 inch) Approx. 343 x 304 x 87 mm (13 3/8 x 12 x 3 1/2 inch) without stand	
Mass	Approx. 6.8 kg (14 lb 16 oz) Approx. 5.1 kg (11 lb 4 oz) without stand	
Supplied Accessories	AC power cord, AC plug holder (2), Operating instructions, CD-ROM (Operating instructions), Using the CD-ROM manual, Quick reference, When You First Use The Monitor booklet, Sales companies guide, Warranty card	

### Dimensions

Unit: mm (inches)



### Optional Accessories

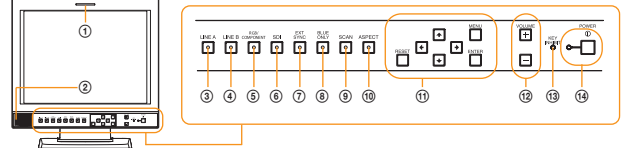


**BKM-320D**  
SD-SDI Input Adaptor



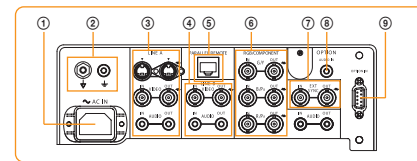
**MB-526**  
Mounting Bracket  
for 14-inch monitor

### Front Panel



- ① Tally lamp
- ② Speakers
- ③ LINE A button
- ④ LINE B button
- ⑤ RGB/COMPONENT button
- ⑥ SDI button
- ⑦ EXT SYNC (external sync) button
- ⑧ BLUE ONLY button
- ⑨ SCAN select button
- ⑩ ASPECT select button
- ⑪ Menu operation buttons
- ⑫ VOLUME buttons
- ⑬ KEY INHIBIT indicator
- ⑭ POWER switch and indicator

### Connector Panel



- ① AC IN
- ② ⚡ / ⚭ (EQUIPOTENTIAL/GROUND) TERMINAL
- ③ LINE A [COMPOSITE (BNC), Y/C (4 PIN MINI-DIN), AUDIO (RCA PIN)]
- ④ LINE B [COMPOSITE (BNC), AUDIO (RCA PIN)]
- ⑤ PARALLEL REMOTE (MODULAR CONNECTOR)
- ⑥ RGB/COMPONENT (BNC), AUDIO (RCA PIN)
- ⑦ EXT SYNC IN/OUT (EXTERNAL SYNC) (BNC)
- ⑧ OPTION AUDIO IN (RCA PIN)
- ⑨ OPTION IN CONNECTOR FOR SD-SDI BOARD (BKM-320D)

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