

LMD-2140MD

21-inch Medical Grade LCD Monitor

Sony Medical

The LMD-2140MD is a medical-grade 21-inch¹ LCD monitor, optimized for surgical and video endoscopy applications, while meeting stringent medical safety and EMC standards and requirements.

The LMD-2140MD incorporates a superb-quality LCD panel that provides an extremely high level of brightness, contrast, and colour depth. The use of Sony's original X-Algorithm² technology allows natural reproduction of video images, often difficult to achieve on typical LCD monitors. In addition, this monitor provides superior versatility with a variety of signal input capabilities for analog or digital, SD or HD, and DVI-D, as well as user-friendly operational conveniences such as its user Memory functionality.

¹ Viewable area measured diagonally

² X-Algorithm is used for 480/60i and 575/50i signals only

X algorithm



- High Clarity LCD panel
- On-screen set up menu
- DVI-D digital input
- Analog RGB, Y/C, VBS inputs
- Optional DV and SDI boards
- Sophisticated I/P conversion
- Exclusive X-Algorithm technology
- 4:3/16:9 switchable aspect ratio
- Compact size
- EN-60601-1 Listed

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LMD-2140MD Specifications



Picture Performance

LCD Panel Type	a-Si TFT Active Matrix LCD with an AR-coated protection panel
Resolution	1024 x 768 dots
Picture Size	Approx. 430 x 322 mm (17 x 12 3/4 inches)
(H x W) (Diagonal)	21 1/4 inches (537 mm)
Aspect	4:3
Colors	16,770,000 colors
Viewing Angle	85°/85°/85°/85°(typical) (up/down/left/right contrast>10:1)

Signal Input

Composite	BNC (x 1) 1.0 Vp-p ±3 dB, sync negative
Y/C	4pin Mini DIN (x 1) Y: 1.0 Vp-p ±3dB, sync negative C: 0.286 Vp-p ±3dB (NTSC) / 0.3 Vp-p ±3dB (PAL)

Component/RGB

Component	BNC (x 3) Y: 1.0 Vp-p ±3 dB Pb, Pr: 0.7 Vp-p ±3 dB
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RGB

G: 0.7 Vp-p ±3 dB, Sync on G	0.3 Vp-p
B: 0.7 Vp-p ±3 dB	
R: 0.7 Vp-p ±3 dB	

Ext. Sync

BNC (x1)	0.3 ~ 4 Vp-p ±bipolarity ternary or negative polarity binary
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Computer

DVI-D	TMDS (Single Link)
Analog RGB	HD D-sub15pin (female) 0.7 Vp-p, 75 ohm sync positive (R, G, B)

Remote

Parallel	Modular 8 pin (Assignable)
Serial	RS-232C (serial remote), D-sub 9-pin

Signal Output

Composite	BNC (x 1), Loop-through, automatic 75 ohm termination
Y/C	4pin Mini DIN (x 1), Loop-through, automatic 75 ohm termination
Component/RGB	BNC (x 3), Loop-through, automatic 75 ohm termination
Ext. Sync	BNC (x 1), Loop-through, automatic 75 ohm termination

General

Power Consumption	Maximum: Approx. 100 W (with 2 x BKM-255DV), Standard: Approx. 92 W (without optional input adaptor)
Power Requirement	AC 100 to 240 V ±10%, 50/60 Hz
Operating Temperature	0 to 40°C (32 to 104° F)
Operating Humidity	30 to 85 % (no condensation)
Storage & Transport Temperature	-10 to 40°C (14 to 104° F)
Storage & Transport Humidity	0 to 90 % (no condensation)
Operating / Storage / Trans. Pressure	700 hPa to 1060 hPa
Dimensions (W x H x D)(mm)	505 x 444 x 119
Mass	Approx. 9.8Kg (with 2 x BKM-255DV)
Regulation Compliance	UL60601-1, CSA 22.2 No.60601.1, EN 60601-1, FCC-A, IC-A, CE (MDD)-B, C-Tick, VCCI-A, JEIDA
Supplied Accessories	AC Power Cord (1), AC plug holder (2), Operating Instructions (1), CD-ROM (1), Warranty Card (1), Using the CD-ROM Manual (1), Interface Manual for Programmers (1), Quick Reference (1), When you first use the monitor (1), Sales Companies Guide (1)

Optional Accessories

BKM-227W	- NTSC/PAL Input Adaptor
BKM-229X	- Analog Component Input Adaptor
BKM-220D	- SDI 4:2:2 Input Adaptor
BKM-243HS	- HD SDI & SDI Input Adaptor
BKM-255DV	- DV Input Adaptor
SU-560	- Monitor Stand



BKM-220D



BKM-227W



BKM-229X



BKM-243HS



BKM-255DV



SU-560

SONY

www.sony.com.au

Sony Australia Limited. 33-39 Talavera Road, North Ryde, NSW 2113

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Sony Professional LCD Monitor

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