

LMD-2140MD

LCD Monitor

The Sony LMD-2140MD is a medical-grade 21-inch*¹ LCD monitor, optimized for video endoscopy applications.

The LMD-2140MD incorporates a superb-quality LCD panel that provides an extremely high level of brightness, contrast, and color depth. The use of Sony's original X-Algorithm*² technology allows natural reproduction of video images, which is often difficult to achieve on typical LCD monitors. In addition, this monitor provides significant 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.

All of these features, together with a compact and light design, make the Sony LMD-2140MD the monitor of choice in video endoscopy cart installations.



*LMD-2140MD
shown with optional monitor stand*

- Excellent picture reproduction
- High clarity panel
- Versatile inputs
- Operational convenience
- Compact and lightweight
- VESA mounting on a cart, the wall or ceiling

*¹ Viewable area measured diagonally

*² X-Algorithm is used for 180/60i and 575/50i signals only



LMD-2140MD

Specifications

LMD-2140MD

PICTURE PERFORMANCE

LCD Panel: Type	a-Si TFT Active Matrix LCD with an AR-coated protection panel
Resolution (H x V)	1024 x 768 dots
Picture Size (H x W) Diagonal	Approx. 430 x 322 mm (17 x 12 3/4 inches) Approx. 537 mm (21 1/4 inches)
Aspect	4:3
Colors	16,770,000 colors
Viewing Angle (H/V)	170° / 170° typical

INPUT/OUTPUT

Input: Composite	BNC (x1) / 1.0 Vp-p ±3 dB, sync negative
R/G/B	0.7 Vp-p, 75 ohms, sync positive (when G channel is sync negative, the internal sync can be used 0.3 Vp-p)
Y/C	4pin Mini DIN (x1) / Y: 1.0 Vp-p ±3 dB, sync negative C: 0.286Vp-p ±3 dB (NTSC) / 0.3 Vp-p ±3 dB (PAL)
Component/RGB	BNC (x3)
Component	Y: 1.0 Vp-p ±3 dB / Pb: 0.7 Vp-p ±3 dB
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
Computer: DVI-D	TMDS (single link)
Analog RGB	HD D-sub 15pin (female) / 0.7 Vp-p 75 sync positive (R, G, B)
Remote Parallel	Modular 8pin (assignable)
Serial	RS-232C (serial remote), D-sub 9pin
Output: Composite	BNC (x1), loop-through, automatic, 75 termination
Y/C	4pin Mini DIN (x1), loop-through, automatic, 75 termination
Component/RGB	BNC (x3), loop-through, automatic, 75 termination
Ext. Sync.	BNC (x1), loop-through, automatic, 75 termination

GENERAL

Power Consumption	Maximum: Approx. 100 W (With 2x BKM-255DV) Standard: Approx. 92 W (Without optional input adaptor)
Power Requirement	AC 100 to 240V ±10%, 50/60Hz
Operating Temperature	0 to 40 degrees Celsius (32 to 104 degrees Fahrenheit)
Operating Humidity	30 to 85% (no condensation)
Dimensions (W x H x D)	505 x 444 x 119 mm (20 x 17 3/8 x 4 3/4 inches)
Safety / EMC	UL 2601-1, CSA 22.2 No.60601.1, EN 60601-1, FCC-A, IC-A CE (MDD)-B, C-Tick, VCCI-A, JEIDA
Mass	Approx. 9.8kg with 2 x BKM-255DV (21 lbs 10 oz)

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" Manual (1) • Sales Companies Guide (1)

OPTIONAL ACCESSORIES

BKM-227W / 229X	NTSC/PAL Input Adaptor / 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



Front Panel



Connector Panel



SU-560 Monitor Stand

SONY

Sony Electronics Inc.
1 Sony Drive, Park Ridge, NJ 07656

www.sony.com/medical