



## LMD2450MD

### 24" Full HD Medical Grade LCD Monitor

Pricing available upon request

## Overview

The LMD-2450MD is the first full HD 1920x1200 medical grade monitor to join the Sony range of medical displays. This 24" widescreen monitor offers 10-bit signal processing and Sony ChromaTRU™ color balance technology for ultra high performance. The LMD-2450MD displays a 1920x1080P full HD signal pixel-to-pixel enabling the purest reproduction of images captured by today's HD surgical cameras. The perfect addition to today's HD operating rooms, the LMD-2450MD enables end users to experience the full benefit of their HD surgical cameras.

## Highlights

- \* Ideal for displaying images from today's HD surgical cameras
- \* 24" full HD resolution 16:9 widescreen flat panel LCD
- \* Suberb image quality with vivid and accurate color reproduction
- \* Medical grade for the OR
- \* VESA mount on boom arms, surgical carts or at a workstation
- \* Versatile inputs for out-of-the-box connectivity in almost any environment

## Features

Features	Benefits
WUXGA 1920x1200 Full HD Resolution and 10-Bit Signal Processing	Outstanding HD image quality, detail, clarity and wide viewing angle
Sony ChromaTRU™ Color Balance	Advanced color space conversion and white balance calibration technology for vivid and accurate colors
16:10 Widescreen Aspect Ratio	Larger field of view for better visibility of surgical area and full screen display of HD signal
Multi-Picture Display	Picture-in-picture (PIP), picture-outside-picture (POP), & side-by-side for flexible multi-image viewing
Multi-format Inputs	Built-in inputs include HD-SDI, DVI-D, HD15, RGB, Y/C, composite and SD-SDI; provide ultimate connectivity flexibility for virtually any system environment.
Touch-activated Picture Controls	Intuitive, easy operation. Located on front bezel, controls are backlit when activated.
One Optional Input Slot	Enables additional signal input for flexible expansion.
VESA Mounting	Accommodates standard VESA mounting schemes so existing mounting accessories can be used.
20 User Memory	Custom settings for up to 20 individuals; maximizes usability.
Serial RS232C or Ethernet Remote Control Capability	Easy operation for any workflow.

## Specifications

General Specifications		Detail
Dimensions (W x H x D)	23 3/4 x 15 1/4 x 4 3/8 inches	
Operating Humidity	30 to 85 % (no condensation)	
Operating Temperature	0 to 40°C (32 to 104° F)	
Power Consumption	115 W	
Power Requirements	AC 100 to 240 V ±10% 50/60 Hz	
Storage Humidity	0 to 90 % (no condensation)	
Storage Temperature	-10 to 40°C (14 to 104° F)	
Weight	18.7 lbs	
Input/Output - Computer Specifications		Detail
Remote Parallel	Parallel Modular 8 pin (Assignable)	
Serial Port	D-sub 9-pin (RS-232C) (x 1) RJ-45 modular (ETHERNET) (x 1)	
Input/Output - Input Computer Specifications		Detail
DVI-D	TMDS (Single Link)	
Input/Output - Input Specifications		Detail
Component	0.7Vp-p ±3dB	
Component/RGB	BNC x (3)	
Optional	1 slot Signal format: H 15 to 45 kHz V 48 to 60 Hz	
Composite	BNC (x 1) 1.0 Vp-p ±3 dB Sync negative	
Ext. Sync	BNC x (1) 0.3 to 4 Vp-p ±bipolarity ternary or 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)	
RGB	0.7Vp-p ±3dB	
Input/Output - Output Specifications		Detail
Component/RGB	BNC x (3) Loop-through Automatic 75 termination	
Composite	BNC (x 1) Loop-through Automatic 75 termination	
Ext Sync	BNC (x 1) Loop-through Automatic 75 termination	
Y/C	4pin Mini DIN (x 1) Loop-through Automatic 75 termination	
LCD Panel Type Specifications		Detail

Angle of View	89°/89°/89°/89°
Aspect Ratio	16:10
Contrast Ratio	10:1
Display Colors	1.677E7
Picture Size	518 x 324 mm (20 1/2 x 12 7/8 inches)
Resolution	1920 X 1200 WUXGA
Screen Size	24 inches
Signal Processing	8 bit

## Accessories

### Supplied Accessories

Model:	Description:	U.S.List Price
	AC Power Cord (1)	Pricing available upon request
	AC plug holder (2)	Pricing available upon request
	Operating Instructions (1)	Pricing available upon request
	CD-ROM (1)	Pricing available upon request
	Warranty Card (1)	Pricing available upon request
	Using the CD-ROM Manual (1)	Pricing available upon request
	Quick Reference (1)	Pricing available upon request
	When you first use the monitor (1)	Pricing available upon request
	Sales Companies Guide (1)	Pricing available upon request

### Optional Accessories

Model:	Description:	U.S.List Price
BKM227W	Composite, Y/C Video Inputs for select monitors	\$750.00
SU560	Stand for LMD-1950MD/2140MD/2450MD	\$445.00
BKM220D	4:2:2 SDI Input Adaptor	\$525.00
BKM229X	RGB/Component Video Input Module for Select Monitors	\$750.00
BKM243HS	HDSDI/4:2:2 SDI Input Adaptor	\$1,299.00

## Resources

### Specification Sheet

Description:	Release Date	Type/Size
ME-LMD2450MD.pdf		pdf / 1,317K

### Brochure

Description:	Release Date	Type/Size
LMD-MonitorBrochure.pdf		pdf / 761K

### Product Brochure

Description:	Release Date	Type/Size
24-inch Full HD Medical Grade LCD Monitor	08/14/2007	pdf / 431K