LMD-1530MD

15-inch WXGA 2D LCD medical monitor

Overview

The LMD-1530MD is a widescreen HD medical-certified 15-inch* monitor, with a WXGA panel providing 1280 x 768 pixel resolution. The outstanding image quality and lightweight compact design allows for easy integration into a variety of applications, both inside and outside the operating room. Incorporating an advanced LCD panel with wide viewing angle, it reproduces bright and high-contrast images even in dark areas of the picture. It is equipped with a 10-bit signal processor to produce lifelike images. Smooth gradation and accurate colour representation ensures it is true to the original signals. The monitor accepts a wide variety of SD signal inputs, plus HD input via either HDMI or an analogue component. Its versatile inputs, convenient features, and space-saving design make it an ideal, cost-effective choice for today's demanding medical environments.

* 15.3-inch measured diagonally.

Features

15" Wide Screen LCD Panel
The LMD-1530W is equipped with the latest generation of LCD panel providing high contrast pictures, detailed images with an excellent viewing angle. It offers same picture height as previous Sony CRT 14-inch which makes this product ideal for CRT replacement for entry level applications.

10-bit digital video signal processor for excellent picture reproduction

Incorporating a WXGA-type LCD with 1280 x 768 pixel resolution and a wide viewing angle, the LMD-1530MD offers clear and precise images, essential for today's demanding medical applications. The monitor's 10-bit digital video signal processor reproduces life-like images with accurate color reproduction and a consistent grayscale for static images as well as for moving content.

Anti-reflection (AR) coated protection panel

The LMD-1530MD features a robust AR-coated protection panel to protect the surface of the display and to minimize the damage caused by scratches. It reduces reflections from ambient light even in brightly illuminated operating rooms and clinical areas.

Input versatility

The LMD-1530MD comes equipped with a wide variety of SD inputs including analog composite, Y/C (S-Video), 525i/625i component, and RGB. In addition, it accepts HD signals via HDMI interface or analog component connectors.

Scan mode

The LMD-1530MD has different scan modes for a variety of different image sizes. For ultimate flexibility, users can easily select the most appropriate scan mode for their application, including Full Scan mode in which an image is displayed fully in both vertical and horizontal directions.

Large number of operational convenience features

Five gamma settings
Colour temperature settings
On-screen display (OSD) in seven languages
Built-in tally lamp to identify when images are captured or recorded
Key inhibit function

Parallel remote control interface
Built-in monitor stand
VESA 100 mounting (100 x 100 mm spacing)

Compliance with medical standards

This product is distributed to the US and EU as a medical device and satisfies product safety standards (e.g. IEC 60601-1). For more details, please contact your nearest Sony sales office or an authorized dealer.

Specifications

Picture performance

LCD panel	a-Si TFT Active Matrix
Picture size	334 × 200, 390 mm (W/H, Diagonal) (13 1/4 × 7 7/8, 15 3/8 inches)
Resolution	1280 × 768 dots (WXGA)
Viewing angle	88°/ 88°/ 88°/ 88° (typical)
Scan Normal	0%, Over 5%
Aspect	15:9
Display colour	16,770,000

LINE A input connectors

Y/C input	Mini DIN 4-pin (1)

VIDEO input	BNC (1), 1 Vp-p ±3 dB, negative synchronization
AUDIO input	Phono jack (1), –5 dBu 47 kilo ohms or higher
RGB/COMPONENT input connectors	BNC (3)
RGB input	0.7 Vp-p ±3 dB, (Sync On Green, 0.3 Vp-p negative sync.)
Component input	0.7 Vp-p ±3 dB, (Sync on Y, 0.3 Vp-p negative sync.)
AUDIO input	Phono jack (1), –5 dBu 47 kilo ohms or higher
OPTION IN connector	D-sub 9-pin (1), female
OPTION AUDIO IN connector	Phono jack (1), –5 dBu 47 kilo ohms or higher
External synchronized input connector	BNC (1), 0.3 to 4 Vp-p negative polarity binary
HDMI IN connector	HDMI (1)

PARALLEL REMOTE input connector

Parallel remote	Modular connector 8-pin (1)

LINE A output connectors

Y/C output	Mini DIN 4-pin (1), Loop-through, with 75 ohms automatic terminal function
VIDEO output	BNC (1), Loop-through, with 75 ohms automatic terminal function
AUDIO output	Phono jack (1), Loop-through

RGB/COMPONENT output connectors

RGB/Component output	BNC (3), Loop-through, with 75 ohms automatic terminal function
AUDIO output	Phono jack (1), Loop-through

External synchronized output

Connector	BNC (1), Loop-through, with 75 ohms automatic terminal function
Built-in speaker output	0.5 W (mono)

General

Power	AC 100 V to 240 V, 50/60 Hz
Power consumption	

Maximum: approx.	40 W, 0.6 A to 0.4 A
Dimensions (w/h/d) Approx.	372 × 336 × 264 mm (14 3/4 × 13 1/4 × 10 1/2 inches) (not including the projection parts)
Mass Approx.	6.2 kg (13 lb 11 oz)

Operating conditions

Temperature	0 °C to 35 °C (32 °F to 95 °F)
Recommended temperature	20 °C to 30 °C (68 °F to 86 °F)
Humidity	30 % to 85 % (no condensation)
Pressure	700 hPa to 1060 hPa

Storage and transport conditions

Temperature	–20 °C to +60 °C (–4 °F to +140 °F)
Humidity	0 % to 90 %
Pressure	700 hPa to 1060 hPa

Supplied Accessories

AC power cord	1

AC plug holder	2
Instruction for Use	1
CD-ROM	1
Using the CD-ROM Manual	1
Quick reference	1
When you First Use the Monitor	1
Sales Companied Guide	1
Warranty book	1

Gallery