LMD-1951MD
19" medical grade LCD monitor with LED backlight technology

Sony introduces the LMD-1951MD 19" medical grade LCD monitor* to its comprehensive display line-up. It offers a superb combination of newly employed LED backlight technology to reproduce brighter images along with a high quality SXGA (1280 X 1024) LCD panel.
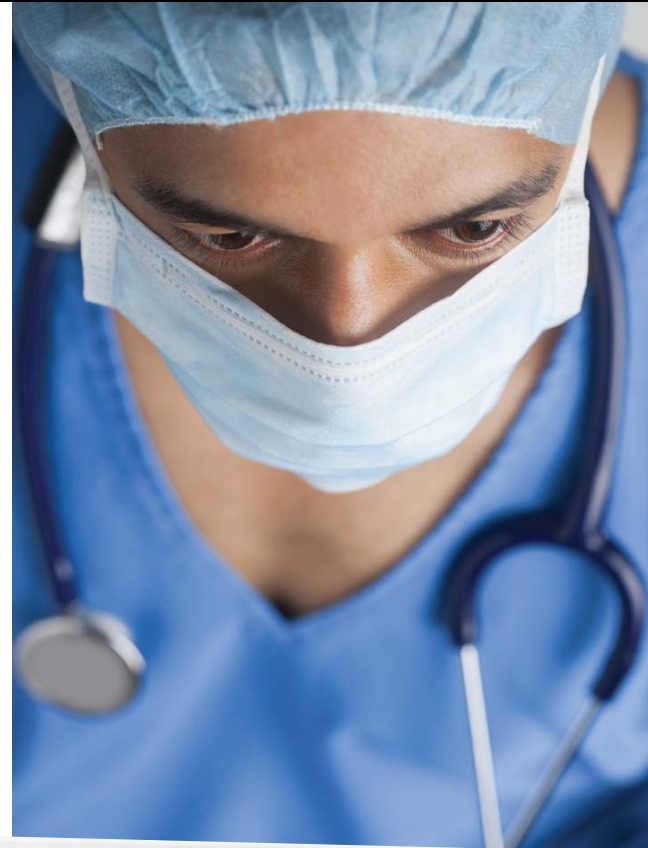
Designed to be used in both SD and HD systems, this new monitor also inherits an array of exceptional features from the popular LMD-2451MD including 10-bit signal processing to produce accurate and lifelike images, and enhanced viewing modes such as Picture-in-Picture and Mirror Image.

The LMD-1951MD is equipped with a full range of inputs including Composite, Y/C, RGB/Component, HD15, and DVI-D inputs. Furthermore, the two built-in option slots accept a variety of option boards to offer ultimate flexibility including 3G-SDI input signal and DVI input/output capability to accept up to two DVI-D inputs and one DVI loop-through output allowing users to easily expand, select, and change input/output configuration.

Features and Benefits:

- SXGA LCD Panel with LED Backlight Technology: high quality panel that produces bright high-contrast images

- Sony ChromaTRU Color Balance: advanced color space conversion and white balance calibration technology for vivid and accurate colors

- Full 10-bit Digital Video Signal Processor: to produce accurate and lifelike images with smooth and natural gradation

- Variety of Scan/Display Modes: including Mirror Image, and Picture-in-Picture which allows users to view two images at a time

- 5:4 Aspect Ratio Signal Output: designed to be used with SD and HD systems

- AC and DC Operation: depending on installation requirements. For DC Operation, the optional AC-110MD is required.

- Two Built-in Option Slots: to easily expand, select, and change input/output signals via optional input adapter boards

*Viewable area measured diagonally

Specifications

Panel

Screen Size	19" (Viewable area measured diagonally)
Panel	α-Si TFT Active Matrix LCD
Resolution (H x V)	1280 x 1024 pixels (SXGA)
Effective Picture Size (W x H/Dia)	376mm x 301mm / 481.84mm,dia
Aspect	5:4
Colors	Approx. 16,770,000 colors (8-bit)
Viewing Angle (Panel Specification)	89° /89° /89° /89° (Typical, upp/down/left/right, contrast>10:1

Input

Composite	BNC (x1), Vp-p ± 3dB sync negative
Y/C	4-pin Mini DIN x1
	Mini-DIN 4-pin (x1)
	Y: 1 Vp-p ± 3dB sync negative
	C: 0.286 Vp-p ± 3dB (NTSC burst signal level),0.3 Vp-p ± 3dB
	(PAL burst signal level)
RGB, Component	BNC (x3)
	RGB: 0.7Vp-p ± 3dB (Sync On Green, 0.3 Vp-p sync negative)
	Component: 0.7 Vp-p ± 3dB (75% chrominance standard color bar signal)
External Sync	BNC (x1)
	0.3 to 4.0 Vp-p bipolarity ternary or negative polarity binary
DVi-D	DVI-D (x1)
	TMDS single link
HD15	D-sub 15-pin (x1)
	R/G/B: 0.7 Vp-p sync positive (Sync On Green, 0.3 Vp-p sync negative)
	Sync: Total level (polarity free, H/V separate sync)
	Plug & Play function: corresponds to DDC28
Option Port	Two (2) ports
	Signal format: H: 15 kHz to 45 kHz, V: 48 Hz to 60Hz
Remote Parallel Remote	Modular connector 8-pin (x1) (Pin-assignable)
Serial Remote	D-sub 9-pin (RS-232C) (x1), RJ-45 (x1)
	(Ethernet, 10BASE-T/100BASE-TX)
DC IN	XLR-type 4-pin (male) (x1), 5V/24V DC
	(output impedance 0.05 ohms or less)

Output

Composite	BNC (x1), Loop-through, with 75 Ω automatic termination function
Y/C	Mini-DIN 4-pin (x1), Loop-through, with 75 Ω automatic termination function
RGB, Component	BNC (x3), Loop-through, with 75 Ω automatic termination function
External Sync	BNC (x1), Loop-through, with 75 Ω automatic termination function

General

Power Requirement	AC IN: 100-240 V AC, 50/60 Hz, 0.92 A - 0.40 A
	DC IN: 24V 3.5A 5V 0.030 A (Supplied from AC-110MD)
	With AC-110MD
	AC IN: 100-240 V AC, 50/60 Hz, 1.53 A -0.58 A
Power Consumption	Maximum: approx. 85W (with "BKM-229X" x2)
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 Temperature	-20° C to + 60° C (-4° F to 140° F)
Storage and Temperature Humidity	0% to 90% (no condensation)
Storage and Temperature Pressure	700 hPa to 1060 hPa
Dimensions (wxhxd) (mm)	455.8 x 368.3 x 101.7 (including the projection parts, w/o stand)
Mass (kg), w/o optional stand	Approx. 6.7kg (w/o optional input adaptor) Approx. 7.1kg (with "BKM-229X" x 2)

Supplied Accesories

AC Power Cord (1)
AC Plug Holder (2)
Instructions for Use (1) CD-ROM (1)
Using the CD-ROM Manual (1)
Quick Reference (1) When You First Use
the Monitor (1)
Sales Companies Guide (1)
Warranty Book (1)

Optional Accesories

BKM-220D SDI 4:2:2 Input Adaptor
BKM-243HS HD/D1-SDI Input Adaptor
BKM-227W NTSC/PAL Input Adaptor
BKM-229X Analog Component Input Adaptor
BKM-250TG 3G/HD/SD-SDI Input Adaptor
BKM-256DD DVI-D Input/Output Adaptor
SU-560 Monitor Stand
AC-110MD AC Adaptor

LMD-1951 Back Panel

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