

LMD-2110MD

21.5-inch Full HD 2D LCD
medical monitor



Overview

Full HD resolution monitor complies with medical safety standards

The LMD-2110MD monitor features a 21.5-inch LCD panel of full HD (1920 x 1080) resolution and 10-bit signal processing. Complying with medical safety standards and EMC standards, the monitor provides a crisp, sharp high definition image.

Input versatility

The LMD-2110MD is equipped with an analogue video input and output terminals as standard. It also features an HDMI input, which accepts HD signals up to 1080/60P. In addition, the monitor can input HD/SD-SDI signals using an optional input adaptor.

Features

Cost-effective feature-rich performance

The LMD-2110MD offers professional functionality in an economic package. Optimised for moving picture reproduction, it delivers accurate colour rendition and greyscale – thanks to its CRT-like gamma curve and 10-bit signal processing.

Full HD-resolution LCD panel

The LMD-2110MD delivers outstandingly crisp, high brightness and high contrast widescreen HD images with a fast transient response.

Wide range of standard input interfaces

The LMD-2110MD is equipped with a full range of analogue SD inputs, including composite NTSC/PAL, Y/C (S-Video), 525i/625i component, and RGB. Also included is an HDMI input, which can accept HD digital signals up to 1080/50p and 60p. DVI signals can be input via the HDMI input connector using a conversion cable.

Optional HD-SDI interface

The LMD-2110MD supports HD-SDI input with an optional BKM-341HS HD/SD-SDI input adaptor. This input versatility allows the LMD-2110MD monitor to flexibly connect to HD-SDI digital environments. The monitor can also handle SD-SDI input using an optional BKM-320D SD-SDI input adaptor.

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.

Remote control

The monitor allows external remote control via a programmable parallel remote interface.

VESA mounting

The monitor can stand on a desktop or be mounted on the wall or ceiling with a 100 x 100mm VESA arm mount.

Specifications

Picture Performance

Type	a-Si TFT Active Matrix LCD
Resolution	1920 x 1080 pixels (Full HD)
Effective picture size (H x W) (Diagonal)	477 x 268 mm (18 7/8 x 10 5/8 inches), 547 mm (21 5/8 inches)
Aspect	16:9
Colors	Approx. 16.7 million colors
Viewing angle (LCD panel specification)	170°/160° (typical) (horizontal/vertical contrast >10:1)

Input

Composite	BNC (x1), 1.0 Vp-p \pm 3 dB sync negative
Y/C	Mini DIN 4-pin (x1) Y: 1.0 Vp-p \pm 3 dB sync negative, C: 0.286 Vp-p \pm 3 dB (NTSC burst signal level), 0.3 Vp-p \pm 3 dB (PAL burst signal level)
RGB, Component	BNC (x3) RGB: 0.7 Vp-p \pm 3 dB (Sync On Green, 0.3 Vp-p sync negative) Component: 0.7 Vp-p \pm 3 dB (75% chrominance standard color bar signal)
HDMI	HDMI (x1)

Audio	Phono jack (x2), -5 dBu 47 kilohms or higher OPTIONAL AUDIO IN: Phono jack (x1), -5 dBu 47 kilohms or higher
External sync	BNC (x1) 0.3 Vp-p to 4.0 Vp-p ±bipolarity ternary or negative polarity binary
Option in connector	D-sub 9-pin (x1), female
Parallel remote	Modular connector 8-pin (x1) (pin-assignable)

Output

Composite	BNC (x1), loop-through, with 75 ohms automatic termination
Y/C	Mini DIN 4-pin (x1), loop-through, with 75 ohms automatic termination
RGB, Component	BNC (x3), loop-through, with 75 ohms automatic termination
External sync	BNC (x1), loop-through, with 75 ohms automatic termination
Audio monitor out	Phono jack (x2), loop-through

Speaker (built-in) 0.5 W (mono)

General

Power requirements	AC 100 V to 240 V, 50/60 Hz
Power consumption	Maximum: approx. 69W, 1.3A to 0.6A
Operating temperature	0°C to 35°C (32°F to 95°F) Recommended: 20°C to 30°C (68°F to 86°F)
Operating humidity	30% to 85% (no condensation)
Storage and transport temperature	-20°C to +60°C (-4°F to +140°F)
Storage and transport humidity	0% to 90%
Operating, storage and transport pressure	700 hPa to 1060 hPa
Dimensions (W x H x D) (with stand)	515 x 403 x 264 mm (20 3/8 x 15 7/8 x 10 1/2 inches)
Dimensions (W x H x D) (without stand)	515 x 355 x 86 mm (20 3/8 x 14 x 3 1/2 inches)
Mass	8.6 kg (18 lb 15 oz)
Mass (without stand)	6.9 kg (14 lb 19 oz)

Supplied Accessories

AC power cord (1)

AC plug holder (2)

Before Using This
Unit (1)

CD-ROM (including
the Instructions for
Use) (1)

Service Contact
List (1)

Related products



BKM- 341HS

HD / SD-SDI input
adaptor

Gallery

