

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 \pm 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)
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General

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

