SONY

LMD-X2700MD

27-inch 4K 2D LCD medical monitor

Overview

4K image quality with intuitive operation and flexible installation

The LMD-X2700MD is a 27-inch 4K LCD medical-grade surgical monitor intended for use in hospital operating rooms, surgical centres, clinics, doctors' offices and similar medical environments. Suitable for use in minimally invasive surgical procedures, it displays bright, high quality 2D colour images with true 4K resolution from endoscopic/laparoscopic cameras and other compatible medical imaging systems.

4K picture quality is enhanced further by HDR gamma support and a wide colour gamut for clearer viewing of fine details and subtle tonal differences. Thanks to Sony's unique upscaling technology, HD/SD resolution signals are automatically upscaled to a 4K view with four times the pixel count of Full HD. HD system customers who invest in 4K displays today, can not only achieve improved image quality but also become ready for eventually upgrading to a 4K system.

Operation is simplified by the monitor's intuitive control panel and LED navigation. There's a wide range of input signal options including HDMI and Display Port, and a choice of picture modes for greater flexibility in today's surgical applications and integrated OR environments.

The compact and easy to clean ergonomic design of the LMD-X2700MD is ideal for integration in modern clinical environments, while installation is simplified with a choice of AC or DC powering options and neat cable management.

Features

Bright, high quality 4K images
The LMD-X2700MD displays finely-detailed 4K Ultra HD images with a high brightness for superior visibility in the operating room.

4K upscaling
Lower-resolution input signals are upscaled to 4K resolution, offering a sharp, natural view with four times the pixel count of Full HD.

HDR Gamma support with HLG
When connected to a HLG (Hybrid Log-Gamma) input signal from a HLG compatible imaging system, the LMD-X2700MD can display HDR images, accurately reproducing an extended range of brightness levels without clipping white highlights or losing dark shadow details.

Wide colour gamut
The monitor is compliant with BT.2020 colour standards, accurately displaying a significantly wider range of colours than the BT.709 space.

Intuitive operation
The monitor's intuitive control panel with LED navigation allows easy operation, even in dark environments. Three custom buttons can be assigned to frequently used functions.

Compact and ergonomic with easy-clean design
The slim, compact LMD-X2700MD features an ergonomic, easy to hold design that allows simple adjustment of monitor position by hand. Hygiene is simplified by the edge-to-edge flush surface

design that allows liquids and gels to be wiped easily off the LCD panel and controls.

Wide range of inputs

The monitor accepts a wide range of signal input including Display Port, HDMI, DVI without the need for additional input converters.

Auto Input Select

If signals from one input port are accidentally interrupted, the monitor's input switches automatically to the second port as a fail-safe measure.

Range of display modes

A variety of display modes including Mirror Image, Flip image, Picture-in-Picture and Picture-out-Picture are instantly available via push-button selection.

Greater installation flexibility

The monitor can be powered by either direct AC or an external AC adaptor. All signal and power connectors face downwards, simplifiying neat installation and cabling.

VESA Mounting

The VESA-mounting standard (100 x 100 mm) simplifies integration in a variety of medical environments.

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 authorised dealer.

Specifications

Picture Performance

Panel	a-Si TFT Active Matrix LCD
Picture Size (Diagonal)	684 mm (26.93 inches)
Effective Picture Size (H x V)	596.2 x 335.3, 684.0 mm (w/h, dia) 23 1/2 x 13 1/4, 27 inches
Pixel pitch	0.15525 x 0.15525 mm
Resolution	H 3,840 dots, V 2,160 lines
Aspect	16:9
Pixel Efficiency	99,99 %
Backlight	LED
Luminance (Panel Specification)	800 cd/m2 (typical)
Contrast Ratio	1000:1
Colors	Approx.1.07 billion colors
Viewing Angle (Panel Specification)	89°/89°/89°/89° (typical) (up/down/left/right, contrast > 10:1)
Gamma	1.8, 2.0, 2.2, 2.4, 2.6, DICOM, HLG

Input

	HDMI connector (x1) HDMI 2.0b,

HDMI Input	HDCP1.4 correspondence
DVI-D Input	DVI-D connector (x1) TMDS single link
Display Port	Display Port connector (x2) 1.2, SST, HDCP1.3 correspondence
Serial Remote (LAN)	D-sub 9-pin (RS-232C) (x1) RJ-45 modular connector (ETHERNET) (x1)
Remote	Stereo mini jack (x1)
AC Input	AC input connector (x1) 100 V to 240 V, 50/60 Hz
DC Input	DC input connector (x1) DC 26 V

Output

DVI-D Output	DVI-D connector (x1)
Display Port Output	Display Port connector (x1)
DC 5 V Output	5 V Output (x1) up to 2A
DC 12 V Output	12 V Output (x1) up to 2.5A

General

	AC IN: 100 V - 240 V, 50/60

Power Requirements	Hz, 1.5 A – 0.7 A DC IN: 26 V, 5.2 A (Supplied from AC adaptor)
Power Consumption	Approx. 149 W (max.)
Operating Temperature	0°C to 35°C 32°F to 95°F
Operating Humidity	30% to 85% (no condensation allowed)
Storage/Transport Temperature	-20°C to +60°C -4°F to +140°F
Storage/Transport Humidity	20% to 90%
Operating/Storage/Transport Pressure	700 hPa to 1060 hPa
Dimensions (W x H x D) *	658.8 x 426.8 x 80 mm 658.8 x 508.6 x 319 mm (with SU-600 optional stand) 26 x 16 7/8 x 3 1/4 inches 26 x 20 1/8 x 12 5/8 inches (with SU-600 optional stand)
Mass	Approx. 8.8 kg (when the optional stand is not installed) Approx. 19 lb 6.4 oz (when

	the optional stand is not installed)
Mounting	100 x 100 mm VESA
Supplied Accessories	AC plug holder (x2) Before Using This Unit (x1) CD-ROM (including the Instructions for Use) (x1) Service Contact List (x1)
Optional Accessories	AC adaptor AC-300MD Monitor stand SU-600MD Foot switch FS-24
*1	The values for dimensions are approximate.

Related products

AC-300MD

Provides power for Sony LCD medical monitors

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