

## LMD-2765MD

27-inch Full HD 2D LCD medical monitor with advanced OptiContrast™ Panel and digital/analogue Input



### Overview

#### **Full HD 27 inch (69 cm) LCD monitor with advanced OptiContrast™ Panel and digital/analogue Input**

The tough, high brightness 27" (69cm) LCD panel features an advanced anti-reflective technology that reduces internal and external reflections to optimise image contrast and helps provide surgeons and staff with high-quality viewing during operations.

Surgeons and operating room staff can view Full HD images from a wide range of medical imaging systems with this high quality LCD monitor.

The stylish LMD-2765MD displays High Definition 2D colour images from surgical endoscopic/laparoscopic cameras and other compatible medical imaging systems.

Flexible operation is enhanced with a choice of PIP/POP picture modes and a convenient image flip function. An intuitive guided user interface assists with simple fingertip operation.

Analogue and digital interfaces simplify connection with a wide range of High Definition and Standard Definition imaging sources.

## Features

### **Large and Bright Full HD Screen**

The 27-type\* LCD panel with 1,000 cd/m<sup>2</sup> brightness offers maximum brightness of 800 cd/m<sup>2</sup> @D65 adjustment.

### **A.I.M.E.™ (Advanced Image Multiple Enhancer)**

A.I.M.E technology allows improvement in image display and viewing.

### **Clear and High-contrast View**

The OptiContrast Panel™ achieves clear, high-contrast images by controlling reflection and minimizing light dispersion in the LCD panel.

### **Narrow Bezel**

The narrow bezel achieves a wider display area, even with the compact body.

### **Ergonomic Design**

The easy-to-hold ergonomic design enables the user to adjust monitor position easily

### **VESA Mounting**

The VESA-mounting standard (100 x 100 mm) enables the device to be used in a variety of medical installations.

### **User-friendly Control Panel**

LED navigated operation enables easy setting, even in dark environments. The user can assign CUSTOM buttons (1 - 3) to commonly used functions.

### **Variety of Display Modes**

A variety of display modes – including Mirror Image, Side-bySide, Picture-in-Picture, and Picture-out-Picture – can be selected easily by simply pressing buttons.

### **Easy to Clean**

The flat surface allows the user to easily wipe liquids and gels off

the LCD panel and control buttons, facilitating cleanliness and disinfection. IPX5 Waterproof Rating\*\*

### Installation-friendly Cabling

All the connectors face downwards, allowing for easy and organized cable connection.

### Compliance with 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

Panel	a-Si TFT Active Matrix LCD
Picture Size (Diagonal)	686 mm 27 inches
Effective Picture Size (H x V)	597.9 x 336.3 mm 23 5/8 x 13 1/4 inches
Pixel pitch	0.3114 x 0.3114 mm
Resolution (H x V)	1920 x 1080 pixels (Full HD)
Aspect	16:9
Pixel Efficiency	0.9999
Backlight	LED

Panel Technology	LCD with IPS
Luminance (Panel Specification)	1000 cd/m <sup>2</sup> (typical)
Contrast Ratio	1000 : 1
Colors	Approx.16.7 million colors
Viewing Angle (Panel Specification)	89°/89°/89°/89° (typical)
Gamma	1.8, 2.0, 2.2, 2.4, 2.6, DICOM

## Input

Composite Input	BNC (x1)
Y/C Input	Mini-DIN 4-pin (x1) Y: 1.0 Vp-p (75 Ω) C: 0.286 Vp-p (75 Ω, NTSC burst) 0.3 Vp-p (75 Ω, PAL burst)
RGB, Component Input	RGB: Via HD-15 connector (D-sub 15 pin)* 0.7 Vp-p (75 Ω) (when Sync On Green, 0.3 Vp-p sync) *Needs SMF-405 sold separately Component: Via HD-15 connector (D-sub 15 pin)* Y: 1.0 Vp-p (75 Ω) (including 0.3 Vp-p

	<p>sync)</p> <p>Pb: 0.7 Vp-p (75 Ω), Pr: 0.7 Vp-p (75 Ω)</p> <p>*Needs SMF-405 sold separately</p>
DVI-D Input	<p>DVI-D (x2)</p> <p>TMDS single link</p>
3G-SDI Input	<p>BNC (x2)</p> <p>3G/HD/SD-SDI</p>
HD15 Input	<p>D-sub 15-pin (x1)</p> <p>RGB: 0.7 Vp-p (75 Ω)</p> <p>H/V Sync: Total level (polarity free)</p> <p>Plug &amp; Play function : corresponds to DDC2B</p>
External Sync Input	<p>Via HD-15 connector (D-sub 15-pin) *</p> <p>* Needs SMF-405 sold separately</p> <p>0.3 Vp-p to 4.0 Vp-p (75 Ω)</p>
Serial Remote (LAN)	<p>D-sub 9-pin (RS-232C) (x1), RJ-45 (x1) (Ethernet, 10BASE-T/100BASE-TX)</p>
DC Input	<p>XLR-type 3-pin (male) (x1), 24 V DC (output impedance 0.05 ohms or less)</p>

## Output

DVI-D Output	DVI-D (x1)
3G-SDI Output	BNC (x1)
DC 5V Output	(x1), up to 1.2 A

## General

Power Requirements	<p>LCD monitor</p> <ul style="list-style-type: none"> <li>- DC Input: 24 V, 6.25 A</li> <li>AC adaptor: 85 (W) x 170 (L) x 40 (H) mm</li> <li>AC IN: 100 V - 240 V, 50/60 Hz, 2.5 A - 1 A</li> </ul>
Power Consumption	Approx. 102 W (max.)
Operating Temperature	<p>0°C to 35°C (Recommended: 20°C to 30°C)</p> <p>32°F to 95°F (Recommended: 68°F to 86°F)</p>
Operating Humidity	30% to 85% (no condensation)
Storage/Transport Temperature	-20°C to +60°C (-4°F to +140°F)

Storage/Transport Humidity	0% to 90%
Operating/Storage/Transport Pressure	700 hPa to 1060 hPa
Dimensions (W x H x D)*1	650×419×58 (Slimmest D 29mm) 650×474×302 mm (with SU-560 optional stand) 25 5/8 x 16 1/2 x 2 3/8 inches 25 5/8 x 18 3/4 x 12 inches (with SU-560 optional stand)
Mass	Target Approx, 8.5kg Target Approx 18.75 lb
Mounting	100 x 100 mm VESA
Supplied Accessories	AC adaptor (AC-120MD) (1) AC power cord (1)
Optional Accessories	SU-560 Monitor stand SMF-405 Analog component exchange cable

Note

\*1

The values for dimensions are approximate.

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## Gallery

