SONY

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/m2 brightness offers maximum brightness of 800 cd/m2 @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

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Panel Technology	LCD with IPS
Luminance (Panel Specification)	1000 cd/m2 (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

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

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Output

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

General

Power Requirements	LCD monitor - DC Input: 24 V, 6.25 A AC adaptor: 85 (W) x 170 (L) x 40 (H) mm AC IN: 100 V - 240 V, 50/60 Hz, 2.5 A - 1 A
Power Consumption	Approx. 102 W (max.)
Operating Temperature	0°C to 35°C (Recommended: 20°C to 30°C) 32°F to 95°F (Recommended: 68°F to 86°F)
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. |

Gallery