

## 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<br>27 inches                        |
| Effective Picture Size (H x V) | 597.9 x 336.3 mm<br>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)<br>Y: 1.0 Vp-p (75 Ω)<br>C: 0.286 Vp-p (75 Ω, NTSC burst)<br>0.3 Vp-p (75 Ω, PAL burst)   |
| RGB, Component Input | RGB: Via HD-15 connector (D-sub 15 pin)*<br>0.7 Vp-p (75 Ω) (when Sync On Green, 0.3 Vp-p sync)<br>*Needs SMF-405 sold separately<br>Component: Via HD-15 connector (D-sub 15 pin)*<br>Y: 1.0 Vp-p (75 Ω) (including 0.3 Vp-p |

|                     |  |
|---------------------|--|
|                     | <p>sync)<br/>           Pb: 0.7 Vp-p (75 Ω), Pr: 0.7 Vp-p (75 Ω)<br/>           *Needs SMF-405 sold separately</p>   |
| DVI-D Input         | <p>DVI-D (x2)<br/>           TMDS single link</p>  |
| 3G-SDI Input        | <p>BNC (x2)<br/>           3G/HD/SD-SDI</p>  |
| HD15 Input          | <p>D-sub 15-pin (x1)<br/>           RGB: 0.7 Vp-p (75 Ω)<br/>           H/V Sync: Total level (polarity free)<br/>           Plug &amp; Play function : corresponds to DDC2B</p> |
| External Sync Input | <p>Via HD-15 connector<br/>           (D-sub 15-pin) *<br/>           * Needs SMF-405 sold separately<br/>           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<br/>(Recommended: 20°C to 30°C)</p> <p>32°F to 95°F<br/>(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)<br>650×474×302 mm (with SU-560 optional stand)<br>25 5/8 x 16 1/2 x 2 3/8 inches<br>25 5/8 x 18 3/4 x 12 inches (with SU-560 optional stand) |
| Mass                                 | Target Approx, 8.5kg<br>Target Approx 18.75 lb  |
| Mounting                             | 100 x 100 mm VESA   |
| Supplied Accessories                 | AC adaptor (AC-120MD) (1)<br>AC power cord (1)  |
| Optional Accessories                 | SU-560 Monitor stand<br>SMF-405<br>Analog component exchange cable  |

Note

\*1

The values for dimensions are approximate.

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## Gallery

