LMD-2735MD
LMD-2435MD
LCD Monitors
The Sony LMD-2735MD and LMD-2435MD are intended for viewing 2D color video displays of images from surgical endoscopic/laparoscopic camera systems and other compatible medical imaging systems. Both of these LCD monitors are suitable for use in hospital operating rooms, surgical centers, clinics, doctor’s offices and similar medical environments.

### High Picture Quality

**Bright Full HD Resolution (1920 x 1080)**

With a resolution of 1920 x 1080, the 27-inch or 24-inch Full HD display offer clear and bright 2D color video images.

**Variety of Inputs from Video to HD/SD-SDI**

The LMD-2735MD and LMD-2435MD are equipped with Video, S Video and HD-15 inputs, in addition to DVI-D and SDI.

### Compact and Stylish Design

**Narrow Bezel**

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

**Ergonomic Design**

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

**VESAs Mounting**

The VESA-mounting standard (100 x 100 mm) enables these monitors to be used in a variety of medical installations.
Easy to Install & Use

Intuitively Operable Control Panel with LED Lighting Navigation
LED navigated operation enables easy setting, even in dark environments. The user can assign CUSTOM buttons (1 - 3) to commonly used functions.

Fan-less Design for Clean and Silent Operation
The fan-less design enables silent operation and less air circulation.

Installation Flexibility via Direct AC in or AC Adapter*
System integrator can select from two types of power-supplies to meet each environment.
* The AC-120MD AC adaptor is sold separately

Compliance with Standards*
These monitors are certified to IEC 60601-1 and standards applicable in various countries and economic regions including Canada, Europe, and the USA.
* For more details on compliance issues, please contact your nearest Sony office or an authorized dealer.

Edge-to-edge Flush Surfaced Design for Easy Cleaning
The flush surface allows you to easily wipe liquids and gels off the LCD panel and control buttons, facilitating cleanliness and disinfection.

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

Multi-image Display
Normal
Picture-in-Picture
Picture-out-Picture
POP 1
POP 2
POP 1
POP 2

Flip Pattern
Off
Mirror
Rotate
R
R

Front Panel

Connecter Panel

1. Power indicator
2. CONTROL button
3. OSD menu operation buttons
4. CUSTOM buttons (1,2,3)
5. Multi-image display setting buttons
6. (Equipotential) terminal
7. (AC input) connector
8. Sony AC-120MD (DC input) connector
9. 5 V 2.0 A (DC output) connector
10. SERIAL REMOTE connector (RJ-45)
11. SERIAL REMOTE RS-232C connector (D-sub 9-pin, female)
12. SDI input connector (BNC type)
13. HD15 input connector (D-sub 15-pin, female)
14. DVI-D input/output connector (DVI-D)
15. VIDEO input connector (BNC type)
16. S-VIDEO input connector (4-pin mini-DIN)
Specifications

### LMD-2735MD | LMD-2435MD

<table>
<thead>
<tr>
<th>Feature</th>
<th>LMD-2735MD</th>
<th>LMD-2435MD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Performance</td>
<td>a-Si TFT Active Matrix LCD</td>
<td>a-Si TFT Active Matrix LCD</td>
</tr>
<tr>
<td>Picture Size (Diagonal)</td>
<td>686 mm (27 1/8 inches)</td>
<td>604.7 mm (23 7/8 inches)</td>
</tr>
<tr>
<td>Effective Picture Size (H x V)</td>
<td>597.9 x 336.3 mm (23 5/8 x 13 1/4 inches)</td>
<td>527.2 x 296.5 mm (20 3/4 x 11 3/4 inches)</td>
</tr>
<tr>
<td>Pixel pitch</td>
<td>0.3114 x 0.3114 mm</td>
<td>0.2785 x 0.2785 mm</td>
</tr>
<tr>
<td>Resolution (H x V)</td>
<td>1920 x 1080 pixels (Full HD)</td>
<td>1280 x 720 pixels (720P)</td>
</tr>
<tr>
<td>Aspect</td>
<td>16:9</td>
<td>16:9</td>
</tr>
<tr>
<td>Pixel Efficiency</td>
<td>0.9999</td>
<td>0.9999</td>
</tr>
<tr>
<td>Backlight</td>
<td>LED</td>
<td>LED</td>
</tr>
<tr>
<td>Panel Technology</td>
<td>LCD with IPS</td>
<td>LCD with IPS</td>
</tr>
<tr>
<td>Luminance (Panel Specification)</td>
<td>300 cd/m² (typical)</td>
<td>300 cd/m² (typical)</td>
</tr>
<tr>
<td>Contrast Ratio</td>
<td>900:1</td>
<td>900:1</td>
</tr>
<tr>
<td>Colors</td>
<td>Approx.16.7 million colors</td>
<td>Approx.16.7 million colors</td>
</tr>
<tr>
<td>Viewing Angle (Panel Specification)</td>
<td>89°/89°/89°/89° (typical) (up/down/left/right contrast &gt; 10:1)</td>
<td>89°/89°/89°/89° (typical) (up/down/left/right contrast &gt; 10:1)</td>
</tr>
<tr>
<td>Gamma</td>
<td>1.8, 2.0, 2.2, 2.4, 2.6, DICOM</td>
<td>1.8, 2.0, 2.2, 2.4, 2.6, DICOM</td>
</tr>
</tbody>
</table>

#### Input

**Composite Input**
- RGB/HD-15 Signal Cable

**YC 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)
  - Component: Via HD-15 connector (D-sub 15-pin) *
    - Y’ 1.0 Vp-p (75 Ω) (including 0.3 Vp-p sync)
    - Pb/Pb 0.7 Vp-p (75 Ω), Pr 0.7 Vp-p (75 Ω)

**DVI-D Input**
- DVI-D (x1)
  - TMDS single link

**SDI Input**
- 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) *
  - 0.3 Vp-p to 4.0 Vp-p (75 Ω)

**Serial Remote**
- D-sub 9-pin (RS-232C) (x1), RJ-45 (x1) (Ethernet, 10BASE-T/100BASE-TX)

**DC Input**
- XLR-type 3-pin (female) (x1), 24 V DC (output impedance 0.05 ohms or less)

#### Output

**DVI-D Output**
- DVI-D (x1)

**DC 5 V Output**
- (x1), up to 2.0 A

#### General

**Power Requirements**
- 100-240 V, 50-60 Hz, 0.6 - 0.3 A
  - DC Input: 24 V 2.2 A (Supplied from AC adaptor)

**Power Consumption**
- Approx. 57 W (max.)

**Operating Temperature**
- 0°C to 35°C (32°F to 95°F)

**Operating Humidity**
- 20% to 85% (no condensation)

**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) **
- 660 x 427 x 78 mm (26 x 16 7/8 x 3 1/8 inches)
- 660 x 509 x 319 mm (26 x 20 1/8 x 12 5/8 inches) (with SU-600MD optional stand)

**Mass**
- Approx. 8.7 kg (Approx. 19 lb 2.9 oz)
- Approx. 6.7 kg (Approx. 14 lb 12 oz)

**Mounting**
- 100 x 100 mm VESA

**Supplied Accessories**
- AC plug holder (2), Before Using This Unit (1), CD-ROM (1), Service Contact List (1)

**Optional Accessories**
- SU-600MD Monitor stand, SMF-405 Signal cable, AC-120MD AC Adaptor

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**Dimensions**

### LMD-2735MD

#### Front
- When an optional stand SU-600MD is attached
- 658.8 (26)
- 57.1 (2.25)
- 43.6 (1.71)
- 300 (11.8)
- 240.6 (9.5)
- 139 (5.45)
- 78 (3 1/8)

#### Rear (VESPA Mount Instruction)
- 105 (4)
- M4

### LMD-2435MD

#### Front
- When an optional stand SU-600MD is attached
- 571.8 (22 5/8)
- 43.6 (1.71)
- 300 (11.8)
- 242.6 (9.55)
- 139 (5.45)
- 78 (3 1/8)

#### Rear (VESPA Mount Instruction)
- 105 (4)
- M4

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**Optional Accessories**

| SU-600MD | AC-120MD | SMF-405 |
| Monitor Stand | AC-adaptor | RGB/HD-15 Signal Cable |

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