

# SONY



LMD-2435MD

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LCD Monitors



\* Measured diagonally

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.



Common with LMD-2735MD/2435MD

## 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.



### VESA 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.

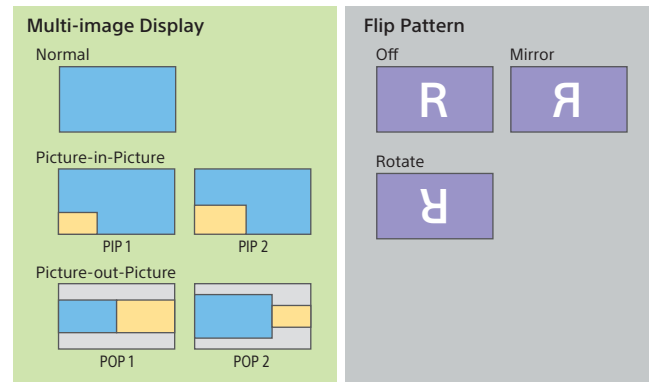
## Edge-to-edge Flush Surfaced Design for Easy Cleaning

The flush surface allows you to easily wipe liquids and gels off the LCD panel and control buttons, facilitating cleanliness and disinfection.

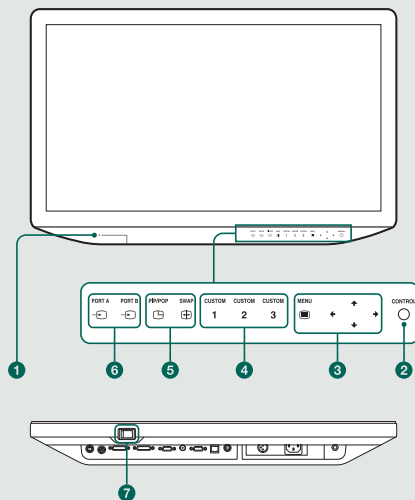


## Variety of Display Modes

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.

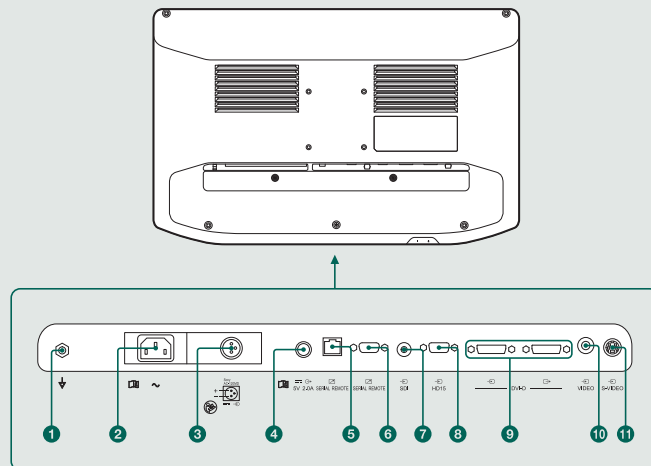


## Front Panel



- 1 Power indicator
- 2 CONTROL button
- 3 OSD menu operation buttons
- 4 CUSTOM buttons (1,2,3)
- 5 Multi-image display setting buttons
- 6 Input select buttons
- 7 (ON)/STANBY switch

## Connector Panel



- 1 (Equipotential) terminal
- 2 (AC input) connector
- 3 Sony AC-120MD (DC input) connector
- 4 5 V 2.0 A (DC output) connector
- 5 SERIAL REMOTE connector (RJ-45)
- 6 SERIAL REMOTE RS-232C connector (D-sub 9-pin, female)
- 7 SDI input connector (BNC type)
- 8 HD15 input connector (D-sub 15-pin, female)
- 9 DVI-D input/output connector (DVI-D)
- 10 VIDEO input connector (BNC type)
- 11 S-VIDEO input connector (4-pin mini-DIN)

# Specifications

	LMD-2735MD	LMD-2435MD
<b>Picture Performance</b>		
Panel	a-Si TFT Active Matrix LCD	
Picture Size (Diagonal)	686 mm (27 1/8 inches)	604.7 mm (23 7/8 inches)
Effective Picture Size (H x V)	597.9 x 336.3 mm (23 5/8 x 13 1/4 inches)	527.0 x 296.5 mm (20 3/4 x 11 3/4 inches)
Pixel pitch	0.3114 x 0.3114 mm	0.2745 x 0.2745 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)	300 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) (up/down/left/right contrast > 10:1)	
Gamma	1.8, 2.0, 2.2, 2.4, 2.6, DICOM	
<b>Input</b>		
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) 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)	
DVI-D Input	DVI-D (x1) TMDS single link	
SDI Input	BNC (x1) 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 (male) (x1), 24 V DC (output impedance 0.05 ohms or less)	
<b>Output</b>		
DVI-D Output	DVI-D (x1)	
DC 5 V Output	(x1), up to 2.0 A	
<b>General</b>		
Power Requirements	100-240 V, 50-60 Hz, 0.6 - 0.3 A - DC Input: 24 V, 2.2 A (Supplied from AC adaptor) AC adaptor (Sony, AC-120MD): Optional - AC Input: 100 V - 240 V, 50/60 Hz, 0.6 - 0.3A - DC Output: 24 V 2.2 A	
Power Consumption	Approx. 57 W (max.)	
Operating Temperature	0°C to 35°C (32°F to 95°F)	
Operating Humidity	30% 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)	572 x 376 x 78 mm (22 5/8 x 14 7/8 x 3 1/8 inches) 572 x 481 x 319 mm (22 5/8 x 19 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	

\* Needs SMF-405 sold separately.

\*\* The values for dimensions are approximate.

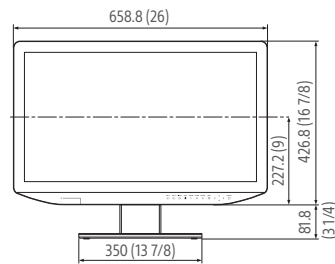
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# Dimensions

## LMD-2735MD

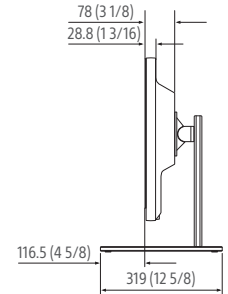
### Front

When an optional stand SU-600MD is attached

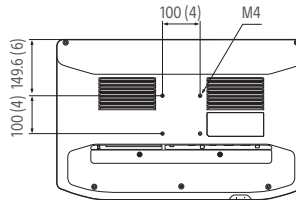


### Side

When an optional stand SU-600MD is attached



### Rear (VESA Mount Instruction)

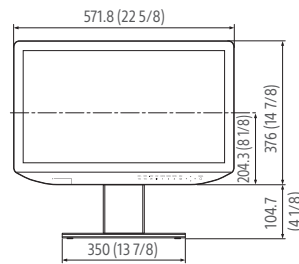


Unit: mm (inches)

## LMD-2435MD

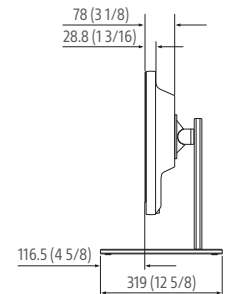
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When an optional stand SU-600MD is attached

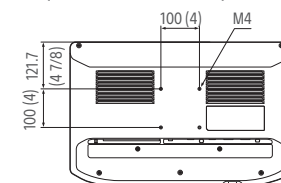


### Side

When an optional stand SU-600MD is attached



### Rear (VESA Mount Instruction)



Unit: mm (inches)

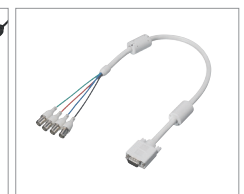
# Optional Accessories



SU-600MD  
Monitor Stand



AC-120MD  
AC-adaptor



SMF-405  
RGB/HD-15 Signal Cable

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