

# SONY



## LMD-X2710MD

4K 27-inch Surgical LCD Monitor



# High quality 4K Medical Monitor with extensive inputs to support the evolving surgical system of 4K/HD and HDR

- Wide Color Gamut complying with BT.2020
- HDR Gamma support (Hybrid Log-Gamma)
- 12G/3G/HD/SD-SDI inputs
- Variety of display modes (side by side, PinP, POP)
- Easy to clean ergonomic design



## SUPERB PICTURE QUALITY

### 4K Ultra HD Resolution

4K resolution on a 27-inch (3840 x 2160)\* screen offers high picture quality.

\* The 27-inch (684-mm) screen is measured diagonally.

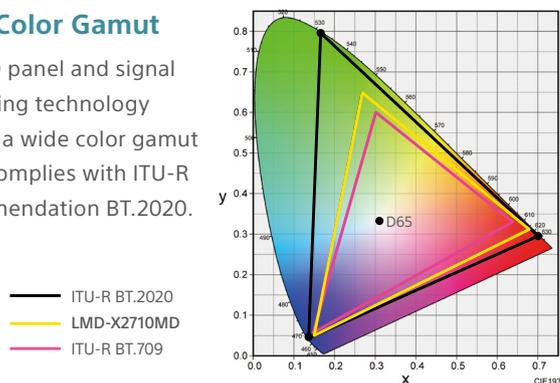


### HD/SD to 4K Upscaling

Thanks to Sony's unique upscaling technology, LMD-X2710MD provides a natural, sharp 4K view when upscaling HD/SD images to 4K.

### Wide Color Gamut

The LCD panel and signal processing technology provide a wide color gamut which complies with ITU-R Recommendation BT.2020.



### HDR Gamma Support

HDR (high dynamic range) enables the display of images with a wider range of brightness levels, greater contrast and also rich colors. The LMD-X2710MD offers HLG (Hybrid Log-Gamma) for supporting HDR.



SDR



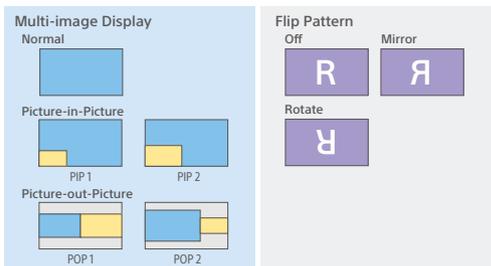
HDR

\*Simulated image

## INTUITIVE OPERATION

### Variety of Display Modes

The LMD-X2710MD can display images from multiple sources quickly from the menu in a variety of display modes; side-by-side, picture-in-picture (PIP) and picture-out-picture (POP). Also flip patterns (mirror and flip rotation) can be selected easily by pressing buttons.



### Easy-to-use Control Panel with LED Lighting Navigation

Operation is simple with intuitive, easy-to-use control panel. The LED backlighting navigation is useful, especially in dark environments. In addition, three custom buttons are available to assign user's preferred functions.

### Auto Signal-Detect and Fail-Safe Modes

Two modes for auto input selection are provided. Mode 1 is to accept input automatically, without any requirement to select the input. Mode 2 is for failsafe operation; the monitor can switch to a backup input automatically by detecting no signal input. This is particularly useful if input signals are accidentally interrupted.

## EASY INSTALLATION

### Installation-Friendly Cabling

All the connectors face downwards, allowing for easy and organized cable connection. The cables can also be pulled in both upward and downward directions, to suit your various installation needs. Single cable of 12G-SDI makes it far easier to handle.



### Installation Flexibility via Direct AC Input or AC Adaptor

To suit different installation environments, two types of power supply are available: AC input and DC input using an AC adaptor.

\* The AC-300MD AC adaptor is sold separately.

### VESA Mounting

The VESA-mounting standard (100 x 100 mm) enables these devices to be used in a variety of medical installations including cart or boom-mounted articulating arms.

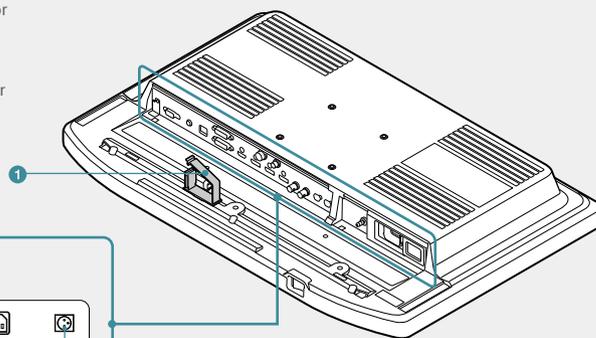
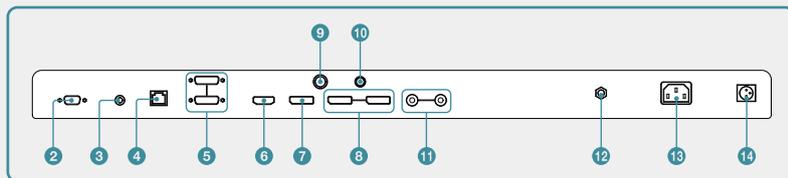
### Compact Design and Easy Cleaning

The narrow bezel achieves a wider display area, even within the compact body. The monitor's slim and easy-to-hold design facilitates simple user adjustment of the monitor position. The edge-to-edge flat surface is helpful to easily wipe off liquids and gels from the LCD panel and control buttons, facilitating cleanliness and disinfection.

### Various inputs and outputs

Various inputs and outputs are available to meet a wide variety of user needs; DP, HDMI, DVI, 12G/3G/HD/SD-SDI

- 1 Cable clamp
- 2 SERIAL REMOTE RS-232C connector (D-sub 9-pin, female)
- 3 REMOTE connector (Stereo mini jack)
- 4 SERIAL REMOTE connector (RJ-45)
- 5 DVI-D input/output connector (DVI-D)
- 6 HDMI input connector
- 7 DP1 (Display Port 1) input connector
- 8 DP2 (Display Port 2) input/output connector
- 9 12 V 2.5 A (DC output) connector
- 10 5 V 2.0 A (DC output) connector
- 11 12G/3G/HD/SD-SDI input/output connector (BNC-type)
- 12 Equipotential terminal
- 13 AC input connector
- 14 DC input connector



# Specifications

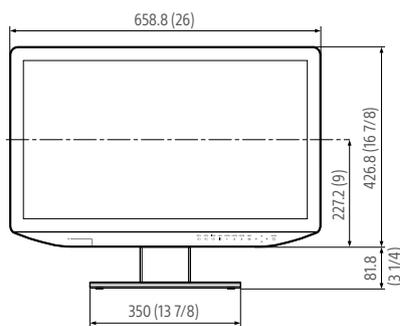
LMD-X2710MD	
<b>Picture Performance</b>	
LCD Panel	a-Si TFT Active Matrix LCD
Picture Size (Diagonal)	684 mm (26.93 inches)
Effective Picture Size	596.2 x 335.3 mm (23 1/2 x 13 1/4 inches)
Pixel pitch	0.15525 x 0.15525 mm
Resolution	3840 x 2160 pixels
Aspect Ratio	16:9
Pixel Efficiency	99.99%
Backlight	LED
Luminance (Panel Specification)	800 cd/m <sup>2</sup> (typical)
Contrast Ratio	1000:1
Colors	Approx.1.07 billion 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, HLG
<b>Input</b>	
HDMI Input	HDMI connector (x1), HDCP1.4 correspondence
DVI-D Input	DVI-D connector (x1), TMDS single link
SDI Input	12G/3G/HD/SD-SDI connector, BNC type (x1)
Display Port	Display Port connector (x2), 1.2, SST, HDCP1.3 correspondence
Serial Remote (LAN)	D-sub 9-pin (RS-232C) (x1), RJ-45 modular connector (ETHERNET) (x1)
Remote	Stereo mini jack (x1)
AC input	AC input connector (x1), 100 V to 240 V, 50/60 Hz
DC Input	DC input connector (x1), DC 26 V
<b>Output</b>	
DVI-D Output	DVI-D connector (x1)
SDI Output	12G/3G/HD/SD-SDI connector, BNC type (x1)
Display Port Output	Display Port connector (x1)
DC 5 V / 12 V Output	5 V Output (x1) up to 2 A, Round type pin (female) (x1)
	12 V Output (x1) up to 2.5 A, Round type pin (female) (x1)
<b>General</b>	
Power Requirements	AC IN: 100 V - 240 V, 50/60 Hz, 1.5 A - 0.7 A
	DC IN: 26 V, 5.2 A (Supplied from AC adaptor)
Power Consumption	Approx. 149 W (max.)
Operating Temperature	0°C to 35°C (32°F to 95°F)
Operating Humidity	30% to 85% (no condensation allowed)
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)	658.8 x 426.8 x 80 mm (26 x 16 7/8 x 3 1/4 inches)
	658.8 x 508.6 x 319 mm (26 x 20 1/8 x 12 5/8 inches) (with SU-600 optional stand)
Mass	Approx. 9.2 Kg (Approx. 20 lb 4.5 oz) (when the optional stand is not installed)
Mounting	100 x 100 mm VESA
Supplied Accessories	AC plug holder (x2)
	Before Using This Unit (x1)
	CD-ROM (including the Instructions for Use) (x1)
	Service Contact List (x1)
Optional Accessories	AC adaptor AC-300MD
	Monitor stand SU-600MD
	Foot Switch FS-24

These products are distributed to US and EU as medical devices. They satisfy product safety standards (e.g. IEC 60601-1). For more details, please contact your nearest Sony sales office or an authorized dealer.

# Dimensions

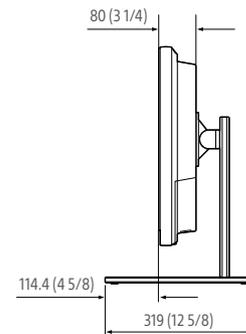
## Front

When an optional stand SU-600MD is attached

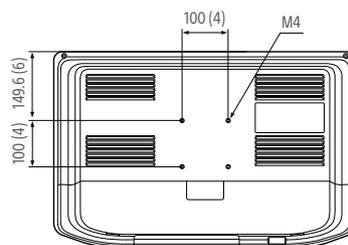


## Side

When an optional stand SU-600MD is attached



## Rear (VESA Mount Instruction)



Unit: mm (inches)

# Optional Accessories



**AC-300MD**  
AC Adaptor



**SU-600MD**  
Monitor Stand



**FS-24**  
Foot Switch

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