



HME8C27

26.93 INCH ENDOSCOPIC MONITOR

Surgery monitors can be widely used for variety of medical scenes such as surgery and minimally invasive surgery. Operating room(OR) display is suitable for DOR, DSA, training and video broadcast.



Highlights



Perfect Image Quality

With FHD and 4K resolution displays, it can represent richer image details and more accurate colour reproduction effects, to help surgeons improve surgical efficiency.



Optical Bonding

Employs high-efficient long-life LCD panel with LED backlight which can meet variety of requirements such as lower noise as well as cleanliness.



Excellent Industrial Design

With a slim exterior and ultra-narrow bezel design, you have the flexibility to choose the installation solution (suspension/embedded wall).



Dual Power Supply Design

Dual power supply system, so if one power system fails, the display will switch to another power system seamlessly without affecting the operation process.



Abundant I/O Design

Support multi-channel HD and UHD signal input and output, providing you with flexible window layout mode, fully meeting the requirements of DOR.



Window-split Technique

Supports physical quad-window split function, with independent adjustment capability of each window input source to meet the requirements of DOR.



Specifications

Machine structure

Logo	The front shell logo can be flexibly configured (Hisense Medical is used by default).
Shield fit	Full fit
Protection level	Front shell: IP65; rear shell: IP22; machine: IP22
Weight	≤ 11 kg
Fixing equipment	Compatibility design requirements for lifting and the optional base are met.
Hanging hole spacing	VESA 100 x 100

LCD screen

Panel processing type	AVHA
Size	26.93"
Screen ratio	16:9
Resolution	3840 x 2160
Pixel pitch	0.15525 mm x 0.15525 mm
Color depth	8 bits + FRC
Refresh rate	60Hz
Backlight	E-LED
Brightness	640 cd/m ² (min), 800 cd/m ² (typ)
Contrast	700:1 (min), 1000:1 (typ)
Color gamut	NTSC 90% (CIE 1976)
Brightness uniformity	80% (min), 85% (typ)
Response time (typical value)	16 ms (rising + falling) (typ)
Visible angle of the contrast ratio	178° (CR: ≥ 10:1) (typ)

Circuit

Video input	HDMI2.0 x 1 DP1.4 x 1 12G-SDI/4 x 3G-SDI x 1 Single-link DVI x 1 3G/HD-SDI x 1
Video output	HDMI2.0 x 1 12G-SDI/4 x 3G-SDI x 1 3G/HD-SDI x 1
Remote interaction interface	RS485 x 1 (RJ45 terminal, support for full duplex)
Service interface	Upstream USB interface x 1 USB interface for upgrade x 1 Debugging interface x 1
Equipotential terminal	Yes
DC output	5 VDC, 2 A, 12 VDC, 1 A
DDC/AUX communication	Yes
Button type	Front touch button
Sensor	Backlight sensor (stable backlight)
LED indicator	One LED indicator is reused with the LOCK button. The indicator color is green in the operating state.

Display

Signal processing level	16 bits
Gamut management	BT.709 and BT.2020
Default factory brightness	500 nits
DICOM PART14	Yes
Image mode	Preset (endoscopic parameter), DICOM, User1, User2, User3, User4, User5, and User6
No screen flickering upon photo taking	Yes

Function and software

Button definition	General buttons: LOCK, MENU, UP, DOWN, and BACK Shortcut keys: PIP/PBP, RPE, INPUT1, INPUT2, and Image Mode
Multi-window display	PBP/PIP
Separate adjustment for image quality in each window	Yes
Upgrade mode	Upgrade by using a USB flash drive
Boot screen	Hisense Medical (You can exit the boot screen in the factory menu.)
Image rotation/mirroring	Yes
Automatic input selection	Yes

Power supply

Power supply requirement	Medical power adapter (24 VDC)
Maximum power	≤ 130 W

Accessory

Power cable	Standard: one
Power adapter grade	Medical
USB cable	Standard: HDMI cable x 1 Optional: DP cable x 1 and 12G-SDI cable x 1
User Manual	Paper edition
Other accessories	None

Environment

Temperature	Operating: 0°C to 40°C Storage/Transportation: -20°C to +60°C
Humidity	Operating: 20% to 85% RH Storage/Transportation: 10% to 90% RH
Atmospheric pressure	Operating: 700–1060 hPa Storage: 700–1060 hPa