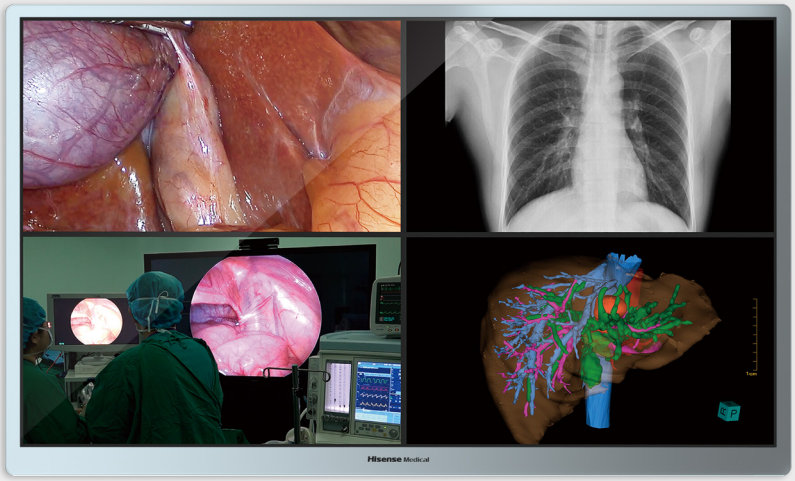
3 YEAR Warranty



HME8C55S

55 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 backlit 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

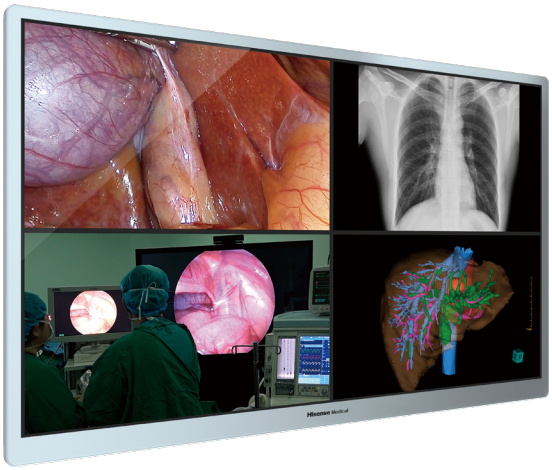
Dual power supply system, so if one power system fails, the display will switch to another power system seamlessly without affecting the operation process.

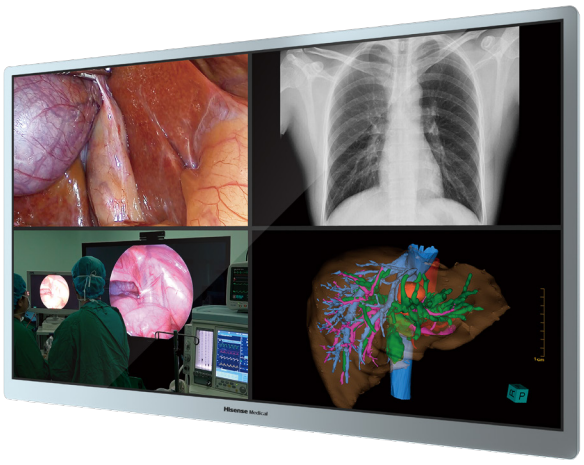
Abundant I/O Design

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

Protection level	Front shell IP65 and rear shell IP22
Weight	< 37 KG
Fixing equipment	Meeting the requirements of compatible design for hanging on the wall, lifting, and embedded in the wall
Hanging hole spacing	400 x 200 VESA

LCD

Size	55"
Screen ratio	16:9
Resolution	3840 x 2160
Pixel pitch	0.315 mm x 0.315 mm
Color depth	8 bits + FRC
Refresh rate	120 Hz
Backlight	D-LED, 60 partitions, support for LD
Brightness	600 cd/m2 (min, full white) 1000 cd/m2 (min, peaking)
Contrast ratio	4000:1 (typ)
Gamut	100% NTSC (CIE1976)
Brightness uniformity	75%
Response time (typical value)	6 ms (typ)
Visible angle of the contrast ratio	≥ 178° (CR 10:1)

Circuit

Video input	HDMI2.0 x 1 Single-link DVI x 4 DP1.4 x 1 VGA x 1 SOG x 2 3G-SDI x 1
Video output	HDMI1.4 x 1 3G-SDI x 1
Remote interaction interface	RS485 x 2 (RJ45 terminal, which is compatible with full duplex and half duplex)
Service interface	Upstream USB interface x 2, USB interface for upgrade x 4, and debugging interface x 2
DC output	5 V 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 working state and is orange in the standby state.

Display

Signal processing level	16 bits
Gamut management	BT.709 and BT.2020
Default factory brightness	400 nit
DICOM PART14	Yes
Image mode	Preset (DSA parameters), DICOM, Video, Text, Hybrid GAMMA, User1, User2, User3, and User4
No Screen flickering upon photo taking	Yes

Function and software

Button definition	General buttons: LOCK, MENU, UP, DOWN, and BACK Shortcut buttons: Display Mode (PIP/PBP), Window Channel Configuration, INPUT, Image Mode, and LIGHT
Multi-window display	PBP/PIP, three-window screen, and four-window screen
Separate adjustment for image quality in each window	Yes
One-click switching for a window layout	Yes
Multi-window layout setting	Yes
Upgrade mode	Upgrade by using a USB flash drive
Boot screen	"Hisense Medical (can be turned off)"
Image rotation/mirror	Yes

Power supply

Power supply requirement	Authentication requirement: AC 220 V 50 Hz Design requirement: AC 100 V-AC 240 V 50/60 Hz
Maximum power	≤ 300 W
Duplicate supply design	Yes
Device type	I class

Environment

Temperature	Working temperature: 10°c-35°c Storage/Transportation temperature: -20°c-60°c
Humidity	Working humidity: 20%-85% Storage/Transportation humidity: 10%-90% R.H.
Atmospheric pressure	Working atmospheric pressure: 700-1060 hPa Storage atmospheric pressure: 200-1060 hPa

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