3 YEAR Warranty

# HME8C32E

## 32 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

| | |
|---|---|
| **Logo** | The front shell logo can be flexibly configured (Hisense Medical is used by default). |
| **Protection level** | Front shell: IP65; rear shell: IP22; machine: IP22 |
| **Weight** | ≤ 12 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** | 32" |
| **Screen ratio** | 16:9 |
| **Resolution** | 3840 x 2160 |
| **Pixel pitch** | 0.1845 mm x 0.1845 mm |
| **Color depth** | 8 bits + FRC |
| **Refresh rate** | 60Hz |
| **Backlight** | E-LED |
| **Brightness** | 680 cd/m² (min), 850 cd/m² (typ) |
| **Contrast** | 1000:1 (typ),1350:1 (typ) |
| **Color gamut** | NTSC, 94% |
| **Brightness uniformity** | 80% (min) |
| **Response time (typical value)** | 18 ms (rising + falling) (typ) |
| **Visible angle of the contrast ratio** | 178° (CR: ≥ 10:1) (typ) |

## Circuit

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|---|---|
| **Video input** | HDMI2.0 x 1<br>DP1.4 x 1<br>12G-SDI/4 x 3G-SDI x 1<br>Single-link DVI x 1<br>3G/HD-SDI x 1 |
| **Video output** | HDMI2.0 x 1<br>12G-SDI/4 x 3G-SDI x 1<br>3G/HD-SDI x 1 |
| **Remote interaction interface** | RS485 x 1 (RJ45 terminal, support for full duplex) |
| **Service interface** | Upstream USB interface x 1<br>USB interface for upgrade x 1<br>Debugging interface x 1 |
| **Equipotential terminal** | Yes |
| **DC output** | 5 VDC, 2 A, 12 VDC, 1 A |
| **DDC/AUX communication** | Yes |
| **Button type** | Mechanical buttons |
| **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<br>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<br>(You can exit the boot screen in the factory menu.) |
| **Image rotation/mirroring** | Yes |
| **Automatic input selection** | Yes |

## Power supply

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|---|---|
| **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<br>Optional: DP cable x 1 and 12G-SDI cable x 1 |
| **User Manual** | Paper edition |
| **Other accessories** | None |

## Environment

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

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