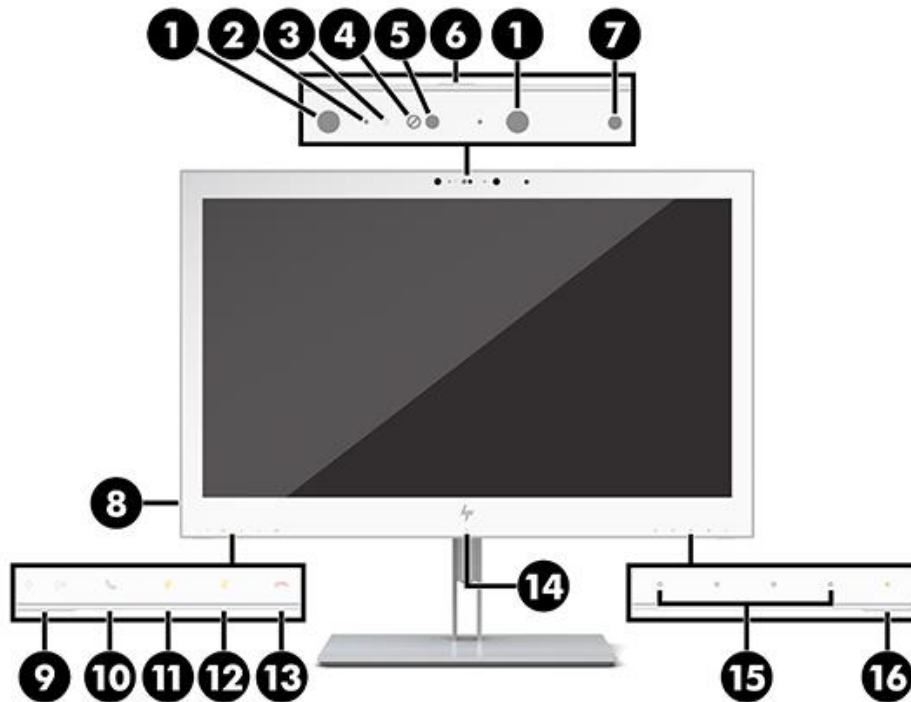


### Technical Specifications

#### HP Healthcare Edition HC270cr QHD Clinical Review Monitor

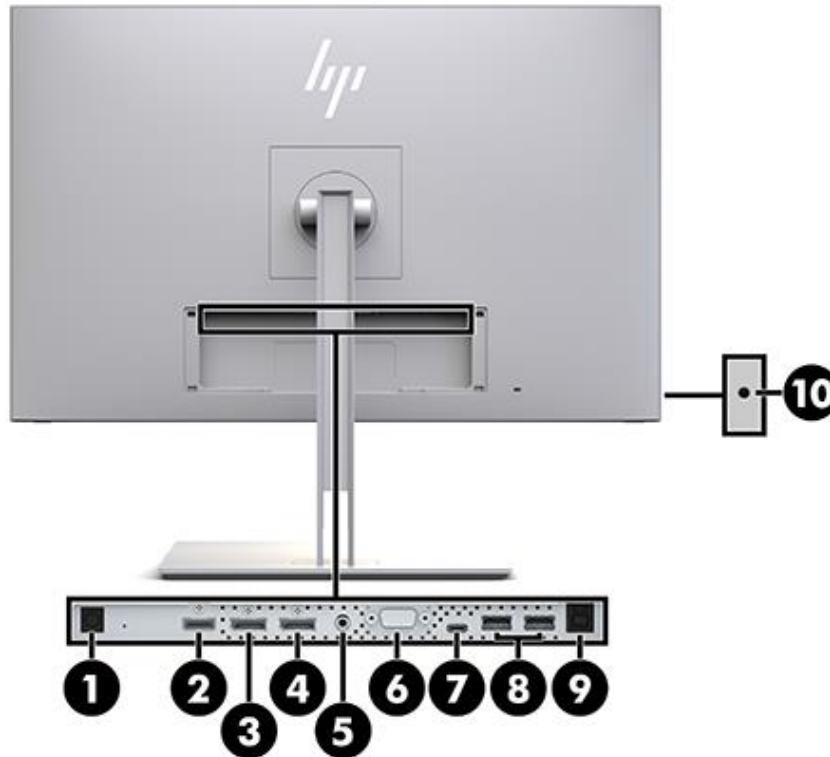


#### Front

- |    |                                 |     |                        |
|----|---------------------------------|-----|------------------------|
| 1. | Infrared light                  | 9.  | Audio Volume Control   |
| 2. | Camera microphones              | 10. | Answer/Call button     |
| 3. | Camera light                    | 11. | Mute microphone button |
| 4. | IR camera lens                  | 12. | Mute speaker button    |
| 5. | Webcam lens                     | 13. | Reject/Hang up button  |
| 6. | Camera shutter                  | 14. | RFID sensor            |
| 7. | Ambient light sensor            | 15. | OSD buttons            |
| 8. | Audio-out (headphone) connector | 16. | Power light            |

### Technical Specifications

#### HP Healthcare Edition HC270cr QHD Clinical Review Monitor



#### Rear

- |    |                  |     |  |
|----|------------------|-----|--|
| 1. | Power connector  | 6.  | VGA                                    |
| 2. | HDMI             | 7.  | USB Type-C™                            |
| 3. | DisplayPort™ IN  | 8.  | USB 3.0 Type-A<br>downstream ports (2) |
| 4. | DisplayPort™ OUT | 9.  | USB 3.0 Type-B upstream                |
| 5. | Audio-IN         | 10. | Headphone (audio OUT)                  |

### Technical Specifications

**Model:** 3XE86AA

<b>Panel Specifications*</b>	<p><b>Display Size (Diagonal)</b> 27-in</p> <p><b>Display Panel Type</b> AHVA</p> <p><b>Native Resolution/Timing</b> 2560×1440 @ 60 Hz</p> <p><b>NOTE:</b> DisplayPort 1.2 or HDMI 1.4 required to drive panel at its native resolution</p> <p><b>Panel Bit Depth</b> 10-bit</p> <p><b>Aspect Ratio</b> 16:9</p> <p><b>Brightness - Typical</b> 350 cd/m<sup>2</sup> (310 cd/m<sup>2</sup> with cover glass)</p> <p><b>Static Contrast Ratio - Typical</b> 1000:1</p> <p><b>Static Contrast Ratio - Minimum</b> 600:1</p> <p><b>Dynamic Contrast Ratio (DCR)</b> 3,000,000:1</p> <p><b>Pixel Pitch</b> 0.233 x 0.233 mm</p> <p><b>Pixels Per Inch (PPI)</b> 108.8</p> <p><b>Backlight Lamp Life (to half brightness - in hours)</b> 30k minimum</p> <p><b>Anti-Glare Panel</b> Yes</p> <p><b>Response Time – Typical</b> Level 1 (Default, 12ms Gray-to-Gray) Level 2 xxms (Gray-to-Gray) Level 3 xxms (Gray-to-Gray) Level 4 xxms (Gray-to-Gray) Level 5 xxms (Gray-to-Gray)</p> <p><b>Horizontal Viewing Angle (typical CR&gt;10)</b> 178°</p> <p><b>Vertical Viewing Angle (typical CR&gt;10)</b> 178°</p> <p><b>Panel Active Area (w x h)</b> 596.74 x 335.66 mm</p> <p><b>Preset Graphic Modes/Supported Resolutions</b> 640x480@60Hz, 720x400@70Hz 800x600@60Hz, 1024x768@60Hz 1280x720@60Hz, 1280x1024@60Hz 1366x768@60Hz, 1680x1050@60Hz 1440x900@60Hz, 1600x900@60Hz 1600x1200@60Hz, 1920x1080@60Hz 1920x1200@60Hz 2560×1440 @60Hz</p> <p><b>Maximum Resolution</b> 2560×1440 @ 60 Hz</p> <p><b>Recommended Resolution</b> 2560×1440 @ 60 Hz</p> <p><b>Vertical Scan Range</b> 50 - 60 Hz</p> <p><b>Horizontal Scan Range</b> 30 -90 kHz</p> <p><b>Default Color Space</b> DICOM (0.0 ALC)</p> <p><b>Maximum Pixel Clock Speed</b> 241.5Mhz</p> <p>*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.</p>
<b>Color Gamut Coverage</b>	<b>sRGB</b> 100%
<b>Color Management</b>	<p><b>Factory Color Calibrated</b> Yes (DICOM (0.0 ALC), DICOM (2.2 ALC), sRGB)</p> <p><b>Factory Color Presets</b> sRGB (D65), DICOM (0.0 ALC), DICOM (2.2 ALC), Neutral, Cool, Viewing Modes, Cusom RGB</p> <p><b>Color Space / Subsampling Support</b> RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2</p> <p><b>Default Color Temperature</b> DICOM (0.0 ALC)</p> <p><b>Low Blue Light Modes</b> Yes</p> <p><b>RGB Channel Adjust</b> Yes Gain</p> <p><b>User Calibration Support</b> Yes</p> <p><b>External Calibration Instrument Support</b> X-Rite i1Display Pro</p>

### Technical Specifications

<b>Monitor Specifications</b>	<b>Exterior Color of Monitor Bezel and Stand</b> <b>Plug &amp; Play</b> <b>Tilt</b> <b>Swivel</b> <b>Pivot</b> <b>Height Adjustment Range</b> <b>VESA Mounting</b> <b>Security Lock Ready</b> <b>Detachable Base</b>	Ceramic white, Pike Silver Yes Yes, -5° to +25° Yes, +-45° Yes, +-90° Yes, 110 mm Yes, 100 mm x 100mm Yes Yes, ships detached
<b>Multimedia</b>	<b>Webcam</b> <b>Infra-Red Sensors</b> <b>Windows Hello Compatible</b> <b>Microphone</b> <b>Speakers (eg 4 speakers)</b> <b>Speakers Output Power</b> <b>Conferencing Hot-Keys</b> <b>Skype for Business Certified</b> <b>VIDYO™ Tested</b>	720p Yes Yes Yes Yes, 2 speakers 2 W per channel Yes, (Start Call, End Call, Mute mic, Mute speakers) Yes Yes
<b>On Screen Display (OSD)</b>	<b>On Screen Display User Controls</b>  <b>User Programmable Modes</b> <b>Monitor Control Buttons or Switches</b> <b>User-Assignable Function Buttons</b> <b>Audio Controls</b>  <b>Languages</b>	Brightness, Color Control, Input Control, Image Control, PIP Control, Power Control, Menu Control, Sanitization, Management, USB Host Selection Yes, 20 Menu, Minus ("-"), Plus ("+"), Input Control, Power Yes, 3 (8 options) Yes, Volume 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
<b>Connector Types</b>	<b>DisplayPort™</b> <b>HDMI</b> <b>USB Type-C™</b> <b>VGA</b> <b>HDCP support</b> <b>Audio Output</b> <b>Audio Input</b>	QTYx2 (DP in and DP out) QTYx1 QTYx1 QTYx1 Yes, (DisplayPort and HDMI) QTYx1, Analog - earphone QTYx1, Analog - line in
<b>USB Port Specifications</b>	<b>USB Version</b> <b>USB Hub</b> <b>Downstream Ports</b> <b>Upstream Ports</b> <b>Power Output Maximum</b>	3.0 Yes 2 Ports 1 Port (USB Type-B) Standard 4.5W for each downstream port.

### Technical Specifications

<b>USB-Type C™ Port Specifications</b>	<b>USB-Type C™ Version</b>	USB 3.1 Gen1 / 5G bps
	<b>USB-Type C™ Hub</b>	Yes
	<b>Upstream USB-Type C™ Ports</b>	1 Port
	<b>Video Support</b>	USB-C Alt mode – DisplayPort™ 1.2 5V/3A 9V/3A 10V/5A 12V/5A 15V/4.33A 20V/3.25A 65W Max
<b>Special Features</b>	<b>Picture-in-Picture, Picture-by-Picture</b>	Yes
	<b>Ambient Light Sensor</b>	Yes
<b>Power &amp; Operating Specs</b>	<b>Power Supply</b>	External
	<b>Power Source</b>	100 – 240 VAC 50/60 Hz
	<b>Power Consumption - Maximum</b>	180W
	<b>Energy Saving / Standby Mode</b>	1W
	<b>Power Consumption - Typical</b>	65W
	<b>Power cable length</b>	1.8 m
<b>Operating Conditions</b>	<b>Operating Temperature - Celsius</b>	5° – 35°C
	<b>Operating Temperature - Fahrenheit</b>	41° – 95°F
	<b>Non-operating Temperature - Celsius</b>	–20° – 60°C
	<b>Non-operating Temperature - Fahrenheit</b>	29° – 140°F
	<b>Operating Humidity</b>	20 – 80% Relative Humidity (non-condensing)
	<b>Non-operating Humidity</b>	5 – 95%
	<b>Operating Altitude</b>	0 – 2,000 m for FSP.
	<b>Non-operating Altitude</b>	0 – 12.192 m (40,000 ft.)
<b>RFID Card Reader</b>	<b>Operating Frequencies</b>	125 kHz, 13.56 MHz
	<b>Read Height</b>	≤ 2cm (Typical)
	<b>Device Class</b>	HID
	<b>Protocol</b>	USB HID
	<b>NFC RF Standards (in reading CSN)</b>	ISO/IEC 14443 A, ISO/IEC 14443 B ISO/IEC 15693
	<b>NFC Forum Support</b>	Tag Type 1, Type 2, Type 3, and Type 4 in reading CSN
	<b>Raw RF Data Rates:</b>	Low-frequency Cards: 1,2050 to 7,812 bps High-frequency Cards: 106 to 848 bps

### Technical Specifications

#### Card Types Supported – 125 kHz

#### RFID Card Reader

#### Card Types Supported – 13.56 kHz

AWID (RDR-698x Compatible)  
Cardax UID (RDR-6C8x Compatible)  
CASI-RUSCO (GE Security, UTC) (RDR-628x Compatible)  
CDVI  
COTAG  
Deister UID  
DIGITAG  
Dimpna UID  
EM 410x (RDR-6E8x Compatible)  
EM 410x Alternate  
Farpointe Data (Pyramid) PSC-1 26 Bit (RDR-647x Compatible)  
Farpointe Data (Pyramid) UID  
GProx-II ID  
GProx-II UID (IRDR-6G8x Compatible)  
HID Prox (RDR-608x Compatible)  
HID Prox UID  
Hitag 1 & S (RDR-6H8x Compatible)  
Hitag 1 & S Alternate  
Hitag 2 (RDR-6H8x Compatible)  
Hitag 2 Alternate  
ID Teck (RDR-6A8x Compatible)  
ID Teck Alternate (128 bits)  
Indala ASP 26 bit (Motorola) (RDR-638x Compatible)  
Indala ASP UID (Motorola)  
Indala ASP+ UID (Motorola)  
IO Prox (Kantech) (RDR-678x Compatible)  
Isonas  
Keri NXT UID  
Keri PSC-1 26 Bit: (RDR-647x Compatible)  
Keri UID (RDR-6K8x Compatible)  
Nedap  
NexKey, Quadrakey, KeyMate, 2SmartKey (Honeywell)  
Nexwatch (Honeywell) (RDR-6N8x Compatible)  
Paradox  
Postech  
Pyramid (Farpointe Data) PSC-1 26 Bit  
Pyramid (Farpointe Data) UID  
Radio Key (Secura Key -02) RKCx-02 (RDR-6Z8x Compatible)  
ReadyKey Pro UID RDR-6R8x Compatible)  
Rosslare  
Russwin UID  
Secura Key -01 RKCx-01  
CEPAS  
e-TAG  
Felica (NFC Type 3)  
HID iCLASS  
I-Code  
ISO 14443B  
I-tag  
Legic Advant  
MIFARE Classic (32 bits)  
MIFARE DESFire  
MIFARE DESFire EV1  
MIFARE Plus

### Technical Specifications

		MIFARE Ultralight my-d CSN (Infinion) NFC Type 1 NFC Type 2 NFC Type 4 NTWare Oyster RDR-758x Equivalent (iCLASS, ISO 14443A, ISO 15693) Tag-It (Texas instruments)	
<b>Environmental Features and Certifications</b>	<b>Low Halogen</b>	Yes	
	<b>NOTE:</b> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.		
			CE, CB (IEC 60950 /IEC 60601-1-2: 2015/IEC 62368)/KCC/ICE/ISO 9241-307/Low Blue Light/UL/CCC/CEL/CECP/SEPA Certified Edge/VCCI/FCC/BSMI/WEEE/Skype for Business Certified.
	<b>Agency Approvals and Certifications</b>	Agency approvals and certification of RF: 1. CE: EN 300 330 V2.1.1 (2017-02) 2. CE EMF - EN62311:2008 3. ACMA - AS/NZS: 4268:2017 4. ACMA EMF Radiocommunications (Electromagnetic Radiation-Human Exposure) Standard 2014 AS/NZS 2772.2: 201 5.FCC - Part15.225 part 15C 6.NCC-- LP0002 7.Japan-- JRF ARIB-T66 8.Korea—MIC 9.China-SRRC CEL Grade 2	
	<b>China Energy Label</b> <b>SmartWay Transport Partnership - NA only</b>	Yes (NA SKU)	
<b>Unit Product/Package Specifications</b>	<b>Product Dimensions</b> Unpacked with stand (W x D x H)	65.06 x 24.69 x 55.49 cm	25.61 x 9.72 x 21.85 in
	<b>Product Dimensions</b> Packed (W x D x H)	76.8 x 30.5 x 52.7cm	30.24 x 12.01 x 20.75 in
	<b>Display Head Dimensions</b> Unpacked without stand (W x D x H)	65.06 x 4.372 x 41.68 cm	25.61 x 1.72 x 16.41 in
	<b>Base Area Footprint</b> (W x D x H)	246.99 x 329.99 cm	9.72 x 12.99 in
	<b>Product Weight</b> Unpacked with sand	8.81kg	19.38 lb
	<b>Product Weight</b> Packed	12.45kg	27.39 lb
	<b>Product Weight</b> Head only	5.45 kg	11.99 lb

### Technical Specifications

<b>Pallet Information</b>	<b>Pallet Dimensions (L x W x H)</b>	930 x 780 x 120 mm	36.6 x 30.7 x 4.7 in
		1230 x 780 x 120 mm	48.4 x 30.7 x 4.7 in
	<b>Pallet Total Weight</b>	149.4 kg/199.2 kg	328.68 lbs/438.24lbs
	<b>Pallet Layers</b>	3(4)	
	<b>Pallet Product per Layer</b>	4	
	<b>Total Products per Pallet</b>	12(16)	
	<b>Container Load, 20-Foot</b>	196 units	
	<b>Container Load, 40-Foot</b>	420 units	
	<b>Container Load, 40-Foot HighQ</b>	420 units	
<b>Software Included</b>	HP Image Auto Rotate Utility, HP Healthcare Edition DICOM Calibration Tool (end user can download from website)		
<b>Accessories Included</b>	<b>What's in the box?</b>	AC power cord (1.8m) 6.2 ft, VGA cable (1.8m) 5.9 ft, HDMI cable (1.8m) 5.9 ft, USB A to B cable (1.8m), DP Cable (1.8m), USB C to C cable (1.8m)	
<b>User Guide / Warranty Languages</b>	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.		



### *Technical Specifications*

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## Summary of Changes

Change Log	
	V1 to V2