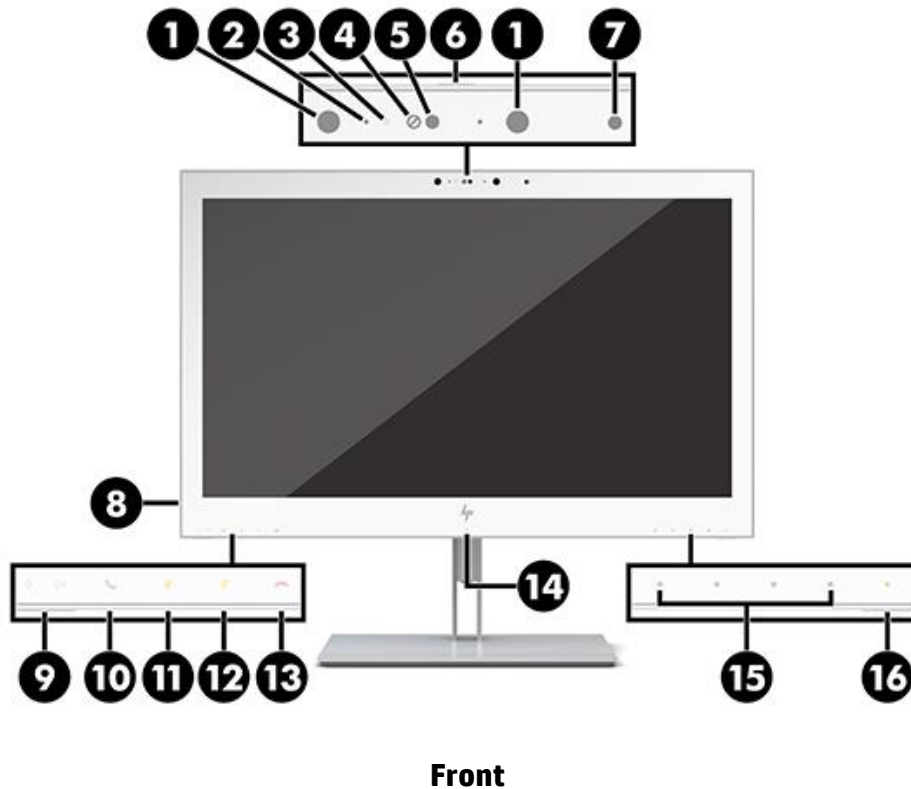


### Technical Specifications

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

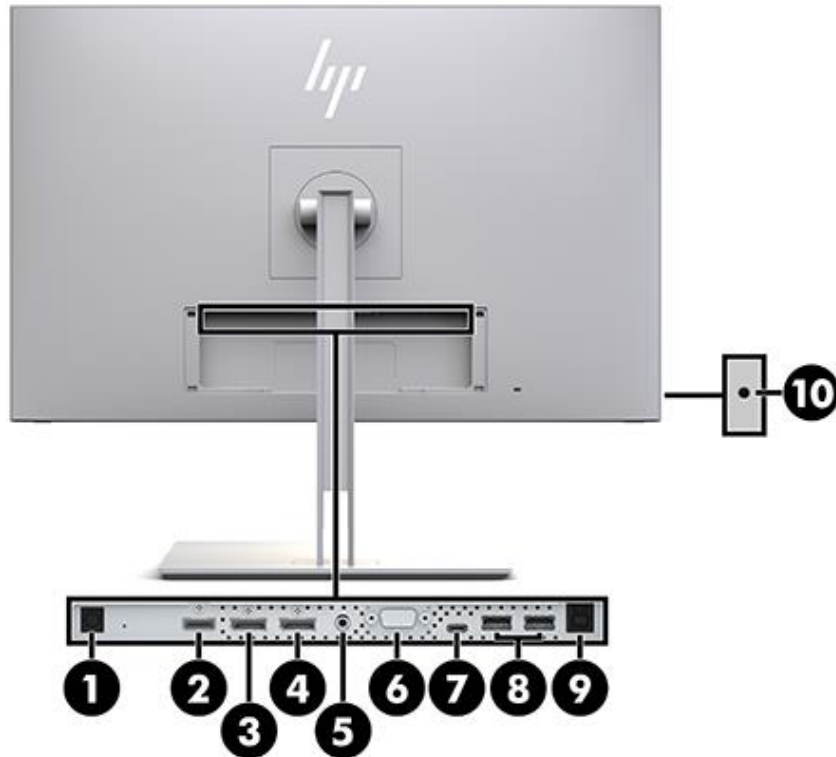


Front

- |    |                                 |     |                        |
|----|---------------------------------|-----|------------------------|
| 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
	<b>Power Output</b>	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>RFID Card Reader</b>	<b>Operating Altitude</b>	0 – 2,000 m for FSP.
	<b>Non-operating Altitude</b>	0 – 12.192 m (40,000 ft.)
	<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*

© Copyright 2018 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

ENERGY STAR® and the ENERGY STAR® mark are registered trademarks of the U.S. Environmental Protection Agency. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. USB Type-C™ is a trademark of USB Implementers Forum.

EPEAT® registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country. See HP's 3rd party option store for solar energy accessory at [www.hp.com/go/options](http://www.hp.com/go/options)

## Summary of Changes

Change Log	
	V1 to V2