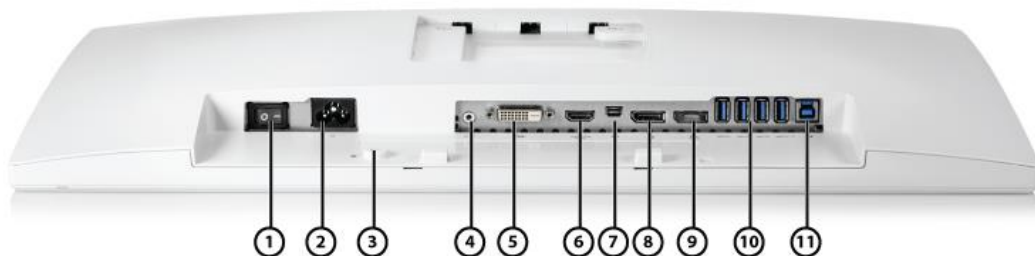


### Overview

### HP HC240 Healthcare Edition Display



- |                  |                     |
|------------------|---------------------|
| 1. Menu button   | 4. Input control    |
| 2. Luminance     | 5. Information      |
| 3. Color control | 6. Power button/LED |



- |                               |  |
|-------------------------------|--|
| 1. Master power switch        | 7. Mini-DisplayPort                                  |
| 2. Power connector            | 8. DisplayPort v 1.2 in                              |
| 3. Security lock slot         | 9. DisplayPort v 1.2 out                             |
| 4. Audio output 3.5 mm        | 10. (4) USB 3.0 downstream ports (one fast charging) |
| 5. DVI-D                      | 11. (1) USB 3.0 upstream port                        |
| 6. HDMI v 1.4 input (MHL 2.0) |  |

### Overview

## Overview

Work efficiently and accurately with the HP HC240 Healthcare Edition Display, a DICOM Part 14-calibrated display that delivers consistent views of clinical data and non-diagnostic images<sup>1</sup>.

### Key features:

- Be assured that grayscale and color medical images and patient information are consistent and accurate on every display, plus the HP Pixel Policy<sup>2</sup> guarantees zero bright dots.
- View medical images and records with a 1920 x 1200 resolution<sup>3</sup>, 24" diagonal display and seamlessly work across multiple displays<sup>4</sup> with micro-edge bezels and DisplayPort™-enabled multi-streaming.
- Attach your HP Desktop Mini or select HP Thin Client behind the display<sup>5</sup> for an integrated, small footprint solution that's perfect for busy and shared spaces like nurse's or charting stations.
- Connect to multiple display and devices with a range of integrated ports right at the display.
- Use Picture-in-Picture or Picture-by-Picture to boost your multi-tasking productivity with simultaneous views from two connected devices.
- Work comfortably with customizable tilt, height adjustment, swivel, and pivot settings.
- Design the screen for how you work with HP Display Assistant software, which enables screen partitioning and helps deter theft by deactivating a display that's disconnected without approval.
- Reduce power consumption and help lower your costs with an energy-efficient design.
- Rest assured that your IT investment is supported by a three-year standard limited warranty, and optional HP Care service.<sup>6</sup>

1 The display is not intended for primary image interpretation or diagnostic use.

2 The HP Pixel Policy allows no bright sub-pixel defects for this display. For complete details, see <http://support.hp.com/us-en/document/c00288895>.

3 All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

4 Each sold separately.

5 Sold separately. HP PC Mounting Bracket for Monitors required and sold separately; see Bracket QuickSpecs for exact compatibility.

6 HP Care Packs are sold separately. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit [www.hp.com/go/cpc](http://www.hp.com/go/cpc). HP Services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

### Change Log

Models: Z0A71A4

|              |   |   |
|--------------|---|---|
| <b>Panel</b> | <b>Type</b>                                     | 24-inch IPS w/LED backlight                               |
|              | <b>Viewable Image Area (diagonal)</b>           | <b>60.96 cm</b> (24-inch) widescreen; diagonally measured |
|              | <b>Panel Active Area (W × H)</b>                | <b>51,84 x 32,4 cm</b> (20.41 × 12.75 in)                 |
|              | <b>Resolution</b>                               | 1920 x 1200 @ 60 Hz                                       |
|              | <b>Aspect Ratio</b>                             | 16:10   |
|              | <b>Viewing Angle</b>                            | Up to 178° horizontal/178° vertical typical               |
|              | <b>Brightness (Typical)</b>                     | 250 cd/m <sup>2</sup>                                     |
|              | <b>Contrast Ratio (Typical)</b>                 | 1000:1 Static; 5,000,000:1 Dynamic (DCR)                  |
|              | <b>Response Times*</b>                          | 8 ms typical (G-to-G)                                     |
|              | <b>Pixel Pitch</b>                              | 0.270 mm  |
|              | <b>Pixels Per Inch (PPI)</b>                    | 94.3 DPI  |
|              | <b>Backlight Lamp Life (to half brightness)</b> | 30,000 hours minimum                                      |
|              | <b>Color Gamut</b>                              | Up to 16.7 million colors with the use of FRC technology  |
|              | <b>Color Gamut (Typical)</b>                    | 99% sRGB  |
|              | <b>Default Color Setting</b>                    | DICOM   |

\* Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

|                                      |  |  |
|--------------------------------------|--|--|
| <b>User Controls</b>                 | <b>Buttons or Switches</b>                   | Menu, Luminance, Color Control, Input Control, Information   |
|                                      | <b>User Programmable Modes</b>               | 10   |
|                                      | <b>Languages</b>                             | 10 (German, S-Chinese, T-Chinese, Japanese, English, Spanish, French, Italian, Netherlands and Portuguese)                         |
|                                      | <b>On Screen Display (OSD) User Controls</b> | Luminance, Color control, Input control, Image Control, PIP control, Power control, OSD Control, Management, Language, Information |
|                                      | <b>Audio Controls</b>                        | N/A  |
| <b>Signal Interface/ Performance</b> | <b>Horizontal Frequency</b>                  | 30 - 75 kHz  |
|                                      | <b>Vertical Frequency</b>                    | 50 - 60 Hz   |
|                                      | <b>Native Resolution</b>                     | 1920 x 1200 @ 60 Hz  |
|                                      | <b>Preset Graphic Modes (non-interlaced)</b> | 640 x 480 @ 60Hz   |
|                                      |  | 720 x 400 @ 70 Hz  |
| 800 x 600 @ 60 Hz                    |  |  |
| 1024 x 768 @ 60 Hz                   |  |  |
| 1280 x 720 @ 60 Hz                   |  |  |
|                                      | 1280 x 800 @ 60 Hz                           |  |
|                                      | 1280 x 1024 @ 60 Hz                          |  |
|                                      | 1440 x 900 @ 60 Hz                           |  |

### Change Log

|  |                                  |   |   |
|--|----------------------------------|---|---|
|  |                                  | 1600 x 900 @ 60 Hz  |   |
|  |                                  | 1600 x 1200 @ 60 Hz   |   |
|  |                                  | 1680 x 1050 @ 60 Hz   |   |
|  |                                  | 1920 x 1080 @ 60 Hz   |   |
|  |                                  | 1920 x 1200 @ 60 Hz   |   |
|  | <b>Maximum Pixel Clock Speed</b> | 170 MHz   |   |
|  | <b>Anti-Glare</b>                | Yes   |   |
| <b>Video/Other Inputs</b>                | <b>Plug and Play</b>             | Yes   |   |
|  | <b>Input/Output Connectors</b>   | (1) DVI-D<br>(1) MHL 2.0 <sup>1</sup> /HDMI 1.4<br>(1) DisplayPort 1.2, (1) Mini-DisplayPort, (1) DisplayPort 1.2 out<br>HDCP support on all inputs |   |
|  | <b>USB</b>                       | 4 USB 3.0 [4 downstream (one fast charging), 1 upstream]  |   |
|  | <b>Video Cables Included</b>     | (1) DisplayPort <b>1,8 m</b> (5.9 ft) (1) HDMI <b>1,8 m</b> (5.9 ft)<br>(1) USB 3.0 <b>1,8 m</b> (5.9 ft)   |   |
| <b>Multimedia</b>                        | <b>Audio</b>                     | (1) Audio output 3.5mm  |   |
|  | <b>Speakers</b>                  | N/A   |   |
| <b>Power</b>                             | <b>Power Supply</b>              | Internal  |   |
|  | <b>Input Power</b>               | 100 - 240 VAC 50/60 Hz  |   |
|  | <b>Maximum Power</b>             | 70 W  |   |
|  | <b>Typical Power</b>             | 36 W  |   |
|  | <b>Sleep Power</b>               | 0.5W (standby)  |   |
|  | <b>Power Cable Length</b>        | <b>1,8 m</b> (5.9 ft)   |   |
|  | <b>Mechanical</b>                | <b>Dimensions</b><br>(W × D × H)  | <b>Unpacked w/stand</b>                                     |
| <b>Unpacked w/o stand</b><br>(head only) |                                  |   | <b>53.38 x 4.93 x 35.11 cm</b><br>(21.01 x 1.94 x 13.82 in) |
| <b>Packaged</b>                          |                                  |   | <b>63.2 x 25 x 44 cm</b><br>(24.88 x 9.84 x 17.32 in)       |
| <b>Weight</b>                            |                                  | <b>Head Only</b>  | <b>3,87 kg</b> (8.51 lb)                                    |
|  |                                  | <b>Unpacked</b>   | <b>5,78 kg</b> (12.71 lb)                                   |
|  |                                  | <b>Packaged</b>   | <b>7,61 kg</b> (16.78 lb)                                   |
| <b>Ergonomic Features</b>                |                                  | <b>Detachable Stand</b>   | Yes, ships detached   |
|  | <b>Height Adjustment</b>         | Yes, 130 +/-3 mm  |   |
|  | <b>Tilt Range</b>                | -5° to + 22° vertical   |   |
|  | <b>Swivel</b>                    | Yes, 45° +/-2° (Clockwise/Counterclockwise)   |   |
|  | <b>Pivot</b>                     | Yes, 90°  |   |
|  | <b>Quick Release<sup>5</sup></b> | HP QR2 quick release included   |   |
| <b>Environmental</b>                     | <b>Temperature - Operating</b>   | <b>5° to 35° C</b> (41° to 95° F)   |   |

### Change Log

|  |  |  |
|--|--|--|
|  | <b>Temperature - Non-operating</b>                                 | -20° to 60° C (-4° to 140° F)  |
|  | <b>Humidity - Operating</b>  | 20% to 80% non-condensing  |
|  | <b>Humidity - Non-operating</b>                                    | 5% to 95%, 38.7° C max wet-bulb  |
|  | <b>Altitude - Operating</b>  | <b>0 to 5,000 m</b> (0 to 16,404 ft)   |
|  | <b>Altitude - Non-operating</b>                                    | <b>0 to 12,192 m</b> (0 to 40,000 ft)  |
|  | <b>White LED Backlights</b>  | Yes  |
|  | <b>CCFL Panel</b>  | No   |
|  | <b>Arsenic-Free Display Glass</b>                                  | Yes  |
|  | <b>Low Halogen<sup>2</sup></b>                                     | Yes (except cables)  |
|  | <b>Mercury-Free Display Backlighting</b>                           | Yes  |
| <b>Options</b><br>(each sold separately) | <b>HP LCD Speaker Bar</b> —Part number NQ576AA                     | Powered directly by the connected PC, the Speaker Bar seamlessly attaches to the monitor's lower bezel to bring full audio support to select HP flat panel monitors. Features include dual speakers with full sound range and dual external headphone jacks. Sold separately. For more information, refer to the product's QuickSpecs. |
|  | <b>HP PC Mounting Bracket for Monitors</b> — Part number N6N00AA   | Customize an altogether better solution with the HP PC Mounting Bracket for Monitors, which lets you attach your HP Desktop Mini, HP Chromebox, or select HP Thin Client directly behind the monitor.  |
|  | <b>HP Single Monitor Arm</b> — Part number BT861AA                 | The flexible design of the HP Single Monitor Arm provides a seemingly endless range of display adjustments with an amazing 13 inches of lift, 75 degrees of tilt, and 360 degrees of pan and rotation – all at your fingertips -- helping you stay comfortable and productive throughout the day.                                      |
|  | <b>HP DisplayPort Cable Kit</b> — Part number VN567AA              | Connects a DisplayPort connector on an HP Business Desktop computer to a DisplayPort connector on a monitor  |
|  | <b>HP Quick Release Bracket</b> — Part number EM870AA <sup>5</sup> | An easy-to-use, VESA-compliant, LCD monitor mounting solution that allows you to quickly and securely attach an LCD monitor to a variety of stands, brackets, arms or wall mounts. For more information, refer to this product's QuickSpecs document.  |
|  | <b>HP Business PC Security Lock Kit</b> — Part number PV606AA      | Attaches to the rear of the PC with a six-foot steel cable that can be used to secure a PC or peripherals such as mice, keyboards, monitors or USB security devices to protect them against unauthorized removal by physically connecting the system to an anchor point.   |
| <b>What's in the box?</b>                | <b>Monitor and Accessories</b>                                     | HP HC240 Healthcare Edition Display, AC power cord 1,8 m (5.9 ft), DisplayPort cable 1,8 m (5.9 ft), HDMI cable 1,8 m (5.9 ft), USB 3.0 cable 1,8 m (5.9 ft)   |
|  | <b>Documentation</b>   | CD (includes user guide, warranty, drivers)  |
|  | <b>Software</b>  | HP Display Assistant   |

### Change Log

|                                     |  |   |
|-------------------------------------|--|---|
| <b>Other</b>                        | <b>User Guide 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. |
|                                     | <b>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. |
|                                     | <b>Color</b>   | White   |
|                                     | <b>VESA Mounting</b>   | 100 mm VESA mount   |
|                                     | <b>Security Lock-Ready</b>   | Yes   |
|                                     | <b>Country of Origin</b>   | China   |
| <b>Certification and Compliance</b> | ENERGY STAR® Qualified, EPEAT® Gold <sup>3</sup> ,<br>Safety: CB, TUV/GS, TUV/Ergo, TUV-S, UL, TCO Certified, TCO Certified EDGE, CCC, CECP, CEL, SEPA, BSMI, DICOM Part14, NFPA 99 certification for EMI: CE, FCC(Canada), BSMI ,KC ,VCCI ,C-Tick<br>Microsoft WHQL Certification (Windows 10, Windows 8, and Windows 7); SmartWay Transport Partnership (NA) |   |
| <b>Compatibility</b>                | Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.   |   |
| <b>Service and Warranty</b>         | Protected by HP, including a 3 year standard limited warranty. Optional HP Care Pack Services are extended service contracts that extend your protection beyond the standard warranties. <sup>4</sup>  |   |

1. MHL 2.0 port will charge a MHL compatible smart phone and tablet battery. Requires the smart phone or tablet to be enabled for MHL or have an HDMI dongle to connect to the monitor. See your mobile device specifications.
2. Power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
3. 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 <http://www.hp.com/go/options>.
4. Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. See <http://www.hp.com/go/cpc> for details.
5. The HP Quick Release has been designed to support a maximum of up to 24 lbs (10.9 kg) for all devices mounted. Because mounting surfaces vary widely and the final mounting method and configuration may vary, mounting fasteners are not supplied (other than the VESA-compliant screws). HP recommends that you consult with a qualified engineering, architectural or construction professional to determine the appropriate type and quantity of mounting fasteners required for your application and to ensure that your mounting solution is properly installed to support applied loads.

Copyright © 2016 HP Development Company, L.P.

The information contained herein is subject to change without notice. The only warranties for HP products are set forth in the express limited warranty statements accompanying such products. 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 is a registered trademark owned by 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.

### Change Log

| <b>Change Log</b> |                |                         |
|-------------------|----------------|-------------------------|
| <b>Date</b>       | <b>Version</b> | <b>Description</b>      |
| August 15, 2016   | Version 1 to 2 | Quickspec launched      |
| December 20, 2016 | Version 2 to 3 | Brightness spec updated |
|                   |                |                         |
|                   |                |                         |
|                   |                |                         |
|                   |                |                         |
|                   |                |                         |