



# HP Zvr 23.6-inch Virtual Reality Display

Change the way you think, work, and create with the HP Zvr 23.6-inch Virtual Reality Display, the first commercial 3D display from HP that delivers a virtual-holographic 3D<sup>1</sup> image so you can see every angle and curve in lifelike detail.



#### Intuitive virtual reality.

- Experience real-time, natural interaction with your 3D<sup>1</sup> content as the Full HD stereoscopic display's full-motion parallax sensors track and respond to the movement of your lightweight, passive glasses.<sup>2,3</sup>

#### Put a pen in it.

- Rotate, manipulate, navigate, and zoom in and out of every detail of the holographic image with the stylus pen.<sup>3</sup>

#### Redefine show and tell.

- Project your 3D<sup>1</sup> models to a 2D big screen for easy team collaboration using your choice of third-party hardware.<sup>4</sup>

- Easily drive your architectural, MCAD, education, and scientific content from an HP Z Workstation or HP Business Desktop with dual-link DVI or DisplayPort connectors.
- Import, view and interact with your architectural, MCAD, education, and scientific 3D content with the zSpace Studio Software.<sup>4</sup>
- Create your own design, prototyping, and education-specific software with the included zSpace Developer Kit.<sup>5</sup>
- Get world-class service and support from a three-year standard limited warranty. To extend your protection beyond the standard limited warranty, select optional HP Care Pack Services.<sup>6</sup>



## HP Zvr 23.6-inch Virtual Reality Display Specifications Table



<b>Product Number</b>	K5H59A8
<b>Display Size (diagonal)</b>	23.6"
<b>Display Type</b>	TN w/segmented LED backlight
<b>Panel Active Area</b>	20.52 x 11.54 in; 521.28 x 293.22 mm
<b>Viewing Angle</b>	170° horizontal; 160° vertical
<b>Brightness</b>	200 cd/m <sup>2</sup> in 3D mode <sup>1</sup>
<b>Contrast Ratio</b>	300:1 average in 3D mode; 1000:1 average in 2D mode <sup>1</sup>
<b>Response Time</b>	5 ms on/off <sup>1</sup>
<b>Aspect Ratio</b>	16:9
<b>Native Resolution</b>	1920 x 1080 @ 60 Hz
<b>Resolutions Supported</b>	1920 x 1080; 640 x 480
<b>Display Features</b>	Plug and Play; Anti-glare; LED Backlights
<b>User Controls</b>	Power
<b>Input Signal</b>	1 DVI-D (with HDCP support); 1 DisplayPort 1.2 (with HDCP support);
<b>Ports and Connectors</b>	3 USB 2.0 (two downstream and one upstream)
<b>Input Power</b>	Input voltage: 100 to 240 VAC
<b>Power Consumption</b>	90 W (maximum), 65 W (typical) with 3D mode enabled, and 0.5 W (standby) "Soft OFF"
<b>Dimensions with Stand (W x D x H)</b>	27.17 x 11.14 x 20.68 in 69 x 28.29 x 52.53 cm
<b>Dimensions without Stand (W x D x H)</b>	27.17 x 2.68 x 20.68 in 69 x 6.81 x 52.53 cm Without stand
<b>Weight</b>	21.43 lb (with stand); 14.08 lb (without stand) 9.74 kg (with stand); 6.4 kg (without stand)
<b>Ergonomic Features</b>	Tilt: -7 to +60°; Swivel: ±180°
<b>Camera</b>	4 IR cameras
<b>Environmental</b>	Mercury-free display backlights; Arsenic-free display glass; Low halogen <sup>2</sup>
<b>What's in the box</b>	AC power cord; External power supply (9W); DisplayPort cable; Active stylus; 1 passive eyewear; 1 passive eyewear (clip-ons); CD (includes user guide, warranty, drivers); Zvr system software; Zvr Experience - Demo software; Cyberlink PowerDVD 3D movie player; Zvr Studio - 3D model viewer
<b>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. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts from date of hardware purchase. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at <a href="http://www.hp.com/go/lookuptool">http://www.hp.com/go/lookuptool</a> . Additional HP Care Pack Services information by product is available at <a href="http://www.hp.com/hps/carepack">http://www.hp.com/hps/carepack</a>

See important legal disclaimers on the last page

## Messaging Footnotes

<sup>1</sup> 3D content is required for 3D performance.

<sup>2</sup> User must be wearing 3D glasses for tracking to occur.

<sup>3</sup> 3D glasses, 3D glass clip-on, and stylus pen are included.

<sup>4</sup> Sold separately.

<sup>5</sup> Disc included. See product QuickSpecs for exact compatibility.

<sup>6</sup> HP Care Pack Services are sold separately. 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 [www.hp.com/go/cpc](http://www.hp.com/go/cpc) for details. 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.

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## Technical Specifications Footnotes

<sup>1</sup> All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

<sup>2</sup> External power supplies; power cords; cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

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