



## HP VantagePoint

HP VantagePoint brings a wow interactive experience to your customers by giving them the power to interact with videos, applications and live web feeds on a massive scale.

Six HP LD4730G Micro-Bezel Digital Signage Displays are arranged in a 3x2 grid that provides an 11-foot wide by 7-foot high experience with a touch-interactive surface measuring a full 132" in diagonal. HP VantagePoint supports up to 32 simultaneous touch points making it the perfect system for multi-person, multi-touch interactive applications. Built to support the next generation of high-definition content, the solution sports a native 4098x1536 resolution meaning even the most demanding content can be played without compromising the quality of the image or video. Through an exclusive partnership, HP VantagePoint also includes augmented reality (AR) software D'Fusion® from AR industry leader Total Immersion. The combination of D'Fusion® and HP VantagePoint provides developers with the industry's first multi-touch wall capable of creating photo-real, high-definition AR applications.



### **Superior performance and durability**

VantagePoint is a commercial grade system, with all components designed and rated for extended 24x7 indoors operation. Both free-standing and built-in implementations are supported.

Two computers are utilized: a high-performance Hewlett Packard Z800 workstation handles all video processing, completely avoiding the image impairment that comes from

digital-to-analog and analog-to-digital conversions in a video switch typically used in multi-panel solutions. A Hewlett Packard Pavilion Slimline PC is used to control the audio volume, color contrast, et al, of each panel via an RS232 connection freeing content developers to put their creative energy into developing exciting touch-interactive visuals and experiences for clients. Since Windows 7 Professional runs on both computers, a large pool of software professionals is able to create content for the wall without any need for specialized training.

Each flat panel is protected by a layer of Corning® Gorilla® Glass, which helps to protect the panels from damage over time. Panel brightness is suitable for use in bright, sunny rooms, such as office lobbies.

An infrared-based touch overlay provides precision touch interaction. Images spanning panels appear without jaggedness due to the availability of virtual pixels under the bezels, letting the array of panels preserve image geometry.

VantagePoint is shipped with a pre-assembled frame, simplifying and speeding on-site installation. Panels are easily attached on-site to their mounts and connect to power and video cabling. The ultra-rigid frame minimizes the need for field adjustments to the panels during the life of the system.

HP VantagePoint	Release 1.0
Description	Vertically mounted 3x2 array of HP 4730G Micro-Bezel Digital Signage Displays shipped as a complete assembly for free-standing implementation including computer hardware, extruded aluminum structural frame, infrared-based multi-touch overlay, audio system, and sample customizable application. The same frame and components can be used for built-in implementations
Panels	<ul style="list-style-type: none"> <li>• Technology: HP's LD4730G Digital Signage Display</li> <li>• Dimensions: 34.8 in (W) x 19.6 in (H); 47 in diagonal</li> <li>• Resolution: 720p per panel, 4098x1566 as a group</li> <li>• Brightness: 700 cd/m<sup>2</sup> (500 cd/m<sup>2</sup> in energy saving mode)</li> <li>• Protective glass: Corning Gorilla Glass (2mm thick)</li> <li>• Inter-panel planarity: &lt; 1mm</li> <li>• Bezel per panel, per side: 7mm</li> </ul>
Touch technology	Multi-touch overlay using infrared based technology
Video inputs	Each panel is connected to the PCs via a Display Port Connection
Computer hardware	HP Z800 Workstation including 2 CPUs and an ATI Firepro professional-grade Graphics Card  HP Pavilion Slimline PC
Software	Windows® 7 Professional 64-bit Software development guidelines for developers
Network	One Ethernet port per computer
Cabling	VantagePoint assembly shipped with LCD panel interconnect cables
Outer Dimensions (W x H)	Finished size:  Free Standing: (with feet): 11 ft (W) x 7 ft (H) 4 ft (D) For Wall Mounting (without feet) 11 ft (W) x 7 ft (H) x 8 in (D)  Computers and audio are customer configurable (inside the system or connected at a distance)
Active Display Area	Active Display area is 1018.35mmx572.544mm per panel (120"x45") 1366x768 resolution per panel (full resolution 4098x1536) Aspect Ratio: 24x9 Pixel pitch – 0.2485mmx0.7455mm
Weight	Shipping: 1250 lbs (estimated) Installed: 900 lbs (estimated)
Power requirements	Line: 120/220 V, 50/60 Hz Circuits: two @ 120 V, 20 amps each VantagePoint: 2700 watts Z800: 850 or 1110 watts, 1 connection

	Slimline: 220 watts, 1 connection Plus other components (e.g., audio system)
Outer frame, mounting, legs	Extruded aluminum
Environmental (operating)	Indoor use only 24x7 operation supported Maximum ambient temperature: 35C (85F)
Audio	Bose® Companion 3 Series II loudspeaker system (two mid/high-range speakers, one sub-woofer)  Note: available audio cards for HP Z800 workstation can support stereo through surround sound 7.1 formats
Storage, transportation crates	Single set of crates
Learning products	Documentation and help files delivered on single USB device
Warranty	3 year components and parts, 1 year service with upgrades with service pack upgrades
Availability	Available in North America, Canada, Europe and South America via Selected HP Certified VARs and ISVs. Contact <a href="mailto:vantagepoint@HP.com">vantagepoint@HP.com</a> or visit <a href="http://www.hp.com/go/vantagepoint">www.hp.com/go/vantagepoint</a> for more information

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