

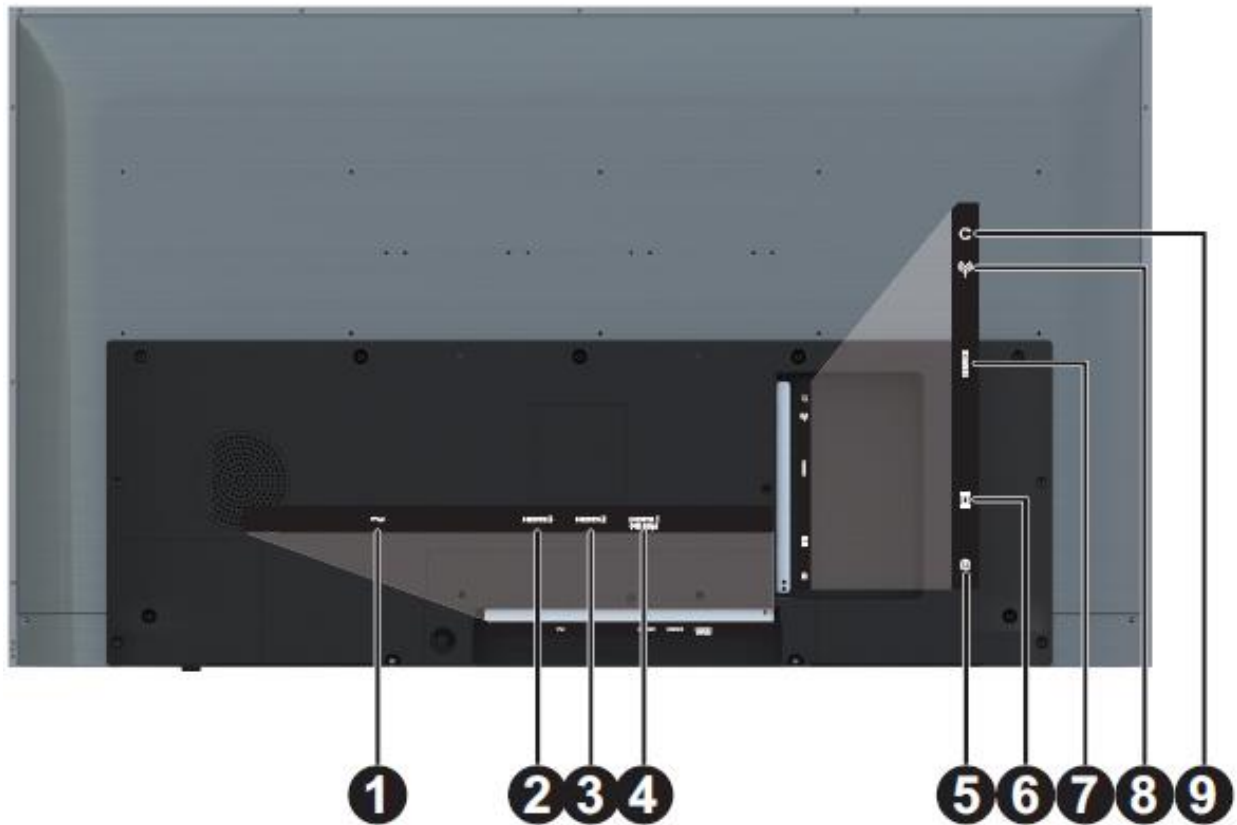
Overview

HP LD4312 4K Large Format Display



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1. Power connector
2. HDMI3 connector (HDMI 1.4)
3. HDMI2 connector (HDMI 1.4)
4. HDMI1 connector (HDMI 2.0)
5. DisplayPort™ connector (DisplayPort™ 1.2)

6. VGA connector
7. USB connector
8. Audio input
9. Headphone output

Technical Specifications

Model: 3XE86A8

Panel Specifications*	Display Size (Diagonal)	43-in
	Display Panel Type	ADS
	Native Resolution/Timing	3840×2160 @ 60Hz
	NOTE: DP 1.2 or HDMI 2.0 support native 3840 x 2160	
	Panel Bit Depth	8-bit
	Aspect Ratio	16:9
	Brightness - Typical	250 nits
	Static Contrast Ratio - Typical	800:1
	Static Contrast Ratio - Minimum	700:1
	Dynamic Contrast Ratio	8,000,000:1(Typ.)
	NOTE: Dynamic Contrast Ratios during video playback only, depending on series of frames or time duration.	
	Flicker Free	Yes
	Pixel Pitch	81.7(H) x 245.1(V)
	Pixels Per Inch (PPI)	102.46
	Backlight Lamp Life (to half brightness - in hours)	30k
	Response Time – Typical	8ms (GTG)
	Horizontal Viewing Angle (typical CR>10)	178°
	Vertical Viewing Angle (typical CR>10)	178°
	Panel Active Area (w x h)	941.184 (H) x 529.416 (V)mm
	Preset Graphic Modes/Supported Resolutions	640 x 480@60Hz 720 x 480@60Hz 720 x 400@70Hz 800 x 600@60Hz 1024 x 768@60Hz 1280 x 720@60Hz 1280 x 800@60Hz 1280 x 1024@60Hz 1366 x 768@60Hz 1440 x 900@60Hz 1600 x 900@60Hz 1680 x 1050@60Hz 1920 x 1080@60Hz 1600 x 1200@60Hz 1920 x 1200@60Hz 2560 x 1440@60Hz 2560 x 1600@60Hz 3840 x 2160@24Hz 3840 x 2160@25Hz 3840 x 2160@30Hz 3840 x 2160@50Hz 3840 x 2160@60Hz
	Maximum Resolution	3840 ×2160 @ 60Hz
	Recommended Resolution	3840 ×2160 @ 60Hz
	Vertical Scan Range	24Hz~60Hz
	Horizontal Scan Range	27kHz~136kHz
	Maximum Pixel Clock Speed	600 MHz
	*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.	

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Color Gamut Coverage	NTSC	68%
Color Management	Factory Color Presets	Native
	Color Space / Subsampling Support	RGB 4.4,4
	Default Color Temperature	Native
	RGB Channel Adjust	Yes, Gain
Monitor Specifications	Exterior Color of Monitor Bezel and Stand	Sky Gray
	Plug & Play	Yes
	VESA Mounting	Yes, 200x200mm
	Security Lock Ready	Yes
	Warranty	3/3/0; 3/3/3
Multimedia	Speakers (eg 4 speakers)	Yes, 2 speakers
	Speakers Output Power	6 W per channel
On Screen Display (OSD)	On Screen Display User Controls	Brightness... Color Control... Input Control... Image Control... Audio Control... PIP Control... Power Control... Menu Control... Management... Information...
	User Programmable Modes	Yes, 20
	Monitor Control Buttons or Switches	5-in-1 Joystick Control, Menu, Minus ("-"), Plus ("+") /Input Control, OK/Auto, Power
	User-Assignable Function Buttons	Yes, 3 (9 options)
	Audio Controls	Yes, Volume
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
Connector Types	DisplayPort™	Yes, Displayport™ 1.2 x1 (3840x2160 @60Hz)
	HDMI	Yes, HDMI 2.0/HDCP2.2 x 1 + HDMI 1.4/HDCP1.4 x 2
	VGA	Yes
	HDCP Support	Yes, HDMI 2.0/HDCP2.2 x 1 + HDMI 1.4/HDCP1.4 x 2 + DP1.2/HDCP1.3 x 1
	Audio Output	Yes, Analog. speaker 6W+6W
	Audio Input	Yes, Analog
USB Port Specifications	USB Version	2.0
	Upstream Ports	1 port, Service Data input only.
Special Features	Picture-in-Picture, Picture-by-Picture	Yes
	User Updateable Firmware	Yes (in service mode)
Power & Operating Specs	Power Supply	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption – Maximum	100 W
	Energy Saving/Standby Mode	0.5 W
	Power Consumption – Typical	82 W
	Power cable length	1.83m

Technical Specifications

Operating Conditions	Operating Temperature - Celsius	0°C to 40°C	
	Operating Temperature - Fahrenheit	32°F to 104°F	
	Non-operating Temperature - Celsius	-20°C to 60°C	
	Non-operating Temperature - Fahrenheit	-4°F to 140°F	
	Operating Humidity	20 to 80% non-condensing	
	Non-operating Humidity	0%~90%	
Environmental Features and Certifications	Operating Altitude	5000m	
	Mercury-free LED display backlighting	Yes	
	Agency Approvals and Certifications	WW application CE/CB/KC/MSIP/e-standby/Bauart/ErP/MPRII/ICE/TUV-S/EAC/cTUVus/PSB/ISC/CCC/CEL/CECP/SEPA/GOST-R/SII/Energy Star/ISC/VCCI/FCC/BSMI/S-Mark/SASO/SABS/Mexico energy/Mexico CoC/PSE/C-tick/BIS/EU REACH/EU RoHS/Voluntary materials restrictions/WEEE	
	ENERGY STAR® Qualified	Yes	
	EPEAT® Registered	Yes, Silver	
	Regions need to verify by country	CEL Grade 2	
Unit Product/Package Specifications	China Energy Label	CEL Grade 2	
	SmartWay Transport Partnership - NA only	Yes	
	Product Dimensions		
	Packaged Dimensions (W x D x H)	1080 x 150 x 652 mm	42.52 x 5.91 x 25.67 in
	Display Head Dimensions		
	Unpacked (W x D x H)	961.4 x 69.6 x 553.7 mm	37.85 x 2.74 x 21.80 in
Bezel Measurements	Top 16mm	Top: 0.63 in	
	Side 16 mm	Side: 0.63 in	
	Bottom 24.8mm	Bottom: 0.98in	
Pallet Information	Pallet Dimensions (L x W x H)	1080 x 1080 x 120mm	42.51 x 42.51 x 4.72 in
	Pallet Layers	3	
	Pallet Product per Layer	7	
	Total Products per Pallet	21	
	Container Load, 20-Foot	210	
	Container Load, 40-Foot	462	
What's in the box?	Container Load, 40-Foot HighQ	462	
	Documentation	Remote controller, Power cord, DP cable, HDMI cable, VGA cable, Warranty card, Production notice	
	User Guide Languages	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.	
Other	Warranty Languages	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.	

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Service and Warranty 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.¹

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