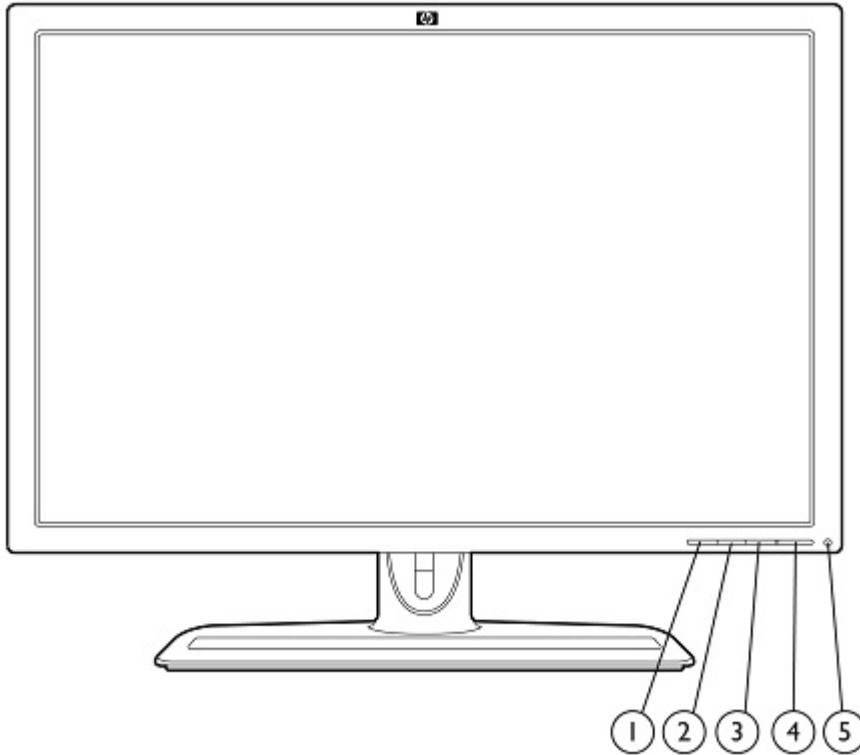


Overview



- | | | | |
|---------------------|--|---------------------|---|
| 1. Source | Selects the video input (DisplayPort or DVI-D) | 4. Power | Turns the monitor on or off |
| 2. - (Minus) | Reduces the brightness setting | 5. Power LED | Sleep mode - amber; Continuous flashing blue - non-supported video mode; Three flashes of blue - upper or lower limit of brightness control; Four flashes of blue - DCR is enabled; One flash of blue - DCR is disabled; Steady blue - full power and monitor is displaying a supported mode (LED automatically turns off after 30 seconds) |
| 3. + (Plus) | Increases the brightness setting | | |
- NOTE:** Pressing the + (Plus) and - (Minus) buttons at the same time enables or disables the Dynamic Contrast Ratio (DCR) function. When enabling the DCR function, the power LED will flash four times. When disabling the DCR function, the power LED will flash one time.

Model
VM617A4



Technical Specifications

Panel	Type	30-inch Wide-Aspect Active Matrix TFT (thin film transistor)
	Viewable Image Area (diagonal)	76,2 cm (30.0 in.) widescreen; diagonally measured
	Screen Opening (W x H)	64,4 x 40,3 cm (25.4 x 15.9 in.)
	Panel Type	S-IPS (H2-IPS technology for improved energy efficiency)
	Resolution	2560 x 1600
	Aspect Ratio	16:10
	Viewing Angle (typical)	Up to 178° horizontal/178° vertical (10:1 minimum contrast ratio)
	Brightness (typical)*	370 nits (cd/m ²)
	Contrast Ratio (typical)*	1000:1
	Dynamic Contrast Ratio (typical)*	3,000:1
	Response Time (typical)*	7 ms (gray to gray); 12 ms (on/off)
	Pixel Pitch	0.2505 mm
	Backlight Lamp Life (to half brightness)	40,000 hours
	Color Support	1.07 billion colors
	Color Gamut	102% (CIE 1931)
	Size vs. NTSC	100% (CIE 1976)
	Coverage of sRGB	99% (CIE 1976)
Coverage of Adobe RGB		
<i>*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.</i>		
User Controls	Buttons or Switches	Input select, brightness up, brightness down, power.
	User Controls	Brightness, input selection, power.
Signal Interface/ Performance	Horizontal Frequency	100 kHz
	Vertical Frequency	60 Hz
	Native Resolution	2560 x 1600 @ 60 Hz
	Preset VESA Graphic Modes (non-interlaced)	2560 x 1600 @ 60 Hz
	Text Mode	Not Supported
	Maximum Pixel Clock Speed	275 MHz
	User Programmable Modes	No
	Anti-Glare	Yes
	Anti-Static	Yes
	Default Color Temperature	6500 K
	Video/Other Inputs	Plug and Play
Self Powered USB 2.0 Hub		One upstream, four downstream ports (cable included)



Technical Specifications

	Input Connectors	1 DisplayPort connector, 1 DVI-D connector, Dual-Link HDCP support on DisplayPort and DVI		
	Input Impedance	Not Applicable		
	Sync Input	Separate synch		
	Video Cable	(1) Dual-Link DVI-D to DVI-D, (1) DisplayPort		
	Video Cable Lengths	1,8 m (5.9 ft)		
Power	Input Power	100 - 240 VAC, 50 or 60 Hz		
	Typical Power Consumption	130W		
	Maximum	185 W		
	Power Saving	< 2 W		
	Power Cable Length	1,8 m (5.9 ft)		
	Mechanical	Dimensions (H x W x D)	Unpacked w/stand	48,9-58,9 x 69,4 x 27,6 cm (19.3 - 23.3 x 27.3 x 10.9 in.)
Unpacked w/o stand (head only)			45,4 x 69,4 x 8,7 cm (17.9 x 27.3 x 3.4 in.)	
Packaged			38,3 x 56,0 x 78,8 cm (15.1 x 22.0 x 31.0 in.)	
Weight		Head Only	9.5 kg (20.9 lbs)	
		Unpacked	13 kg (28.6 lbs)	
		Packaged	17 kg (37.5 lbs)	
Ergonomic Features	6-Way Comfort Adjust	Easily adjust the display in height, tilt, and swivel for maximum comfort. Six degrees of adjustment freedom including height up/down, tilt forward/back, swivel left/right		
	HP Quick Release	Ultra convenient set up. Easily mount and detach the display head from the stand.		
	Cable Management	Enhanced cable management for easy concealment of power, video and USB cables. Effortless routing of cables through the base of the column with removable cover plate.		
	Detachable Stand	Stand ships detached and easily attaches with the HP Quick Release.		
Environmental	Tilt Range	-5° to + 35° vertical		
	Swivel Range	45°L / 45°R		
	Height Adjustable	Yes, 100 mm		
	Temperature – Operating	5° to 35° C (41° to 95° F)		
	Temperature – Non-operating	-20° to 60° C (-4° to 140° F)		
	Humidity – Operating	10% to 80% non-condensing		
	Humidity – Non-operating	5% to 95%		
	Altitude – Operating	+0 to 5,000 m (16,404 ft)		
Altitude – Non-operating	+0 to 12,192 m (40,000 ft)			



Technical Specifications

Environmental Data

Eco-Label Certifications & declarations

- This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:
- IT ECO declaration

Energy Consumption (in accordance with US Energy Star test method)

	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
Normal Operation	119.8W	117.5W	120.7W
Sleep	0.75W	0.85W	0.74W
Off	0.55W	0.65W	0.56W

Heat Dissipation*

	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
Normal Operation	410 BTU/hr	402 BTU/hr	413 BTU/hr
Sleep	3 BTU/hr	3 BTU/hr	3 BTU/hr
Off	2 BTU/hr	2 BTU/hr	2 BTU/hr

* Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Additional Information

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2002/95/EC.
- This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive - 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.
- This product contains 20.4% post-consumer recycled plastic (by wt.)
- This product is 99.2% recycle-able when properly disposed of at end of life.

Packaging Materials

External:	Corrugated carton	2450g
	CANON bags - several layers	27g
Internal:	EPS (Expanded Polystyrene)	725g

RoHS Compliance

Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at: http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):

- Asbestos
- Certain Azo Colorants



Technical Specifications

- Certain Brominated Flame Retardants – may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) - except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Packaging

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: <http://www.hp.com/go/reuse-recycle> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/recyclers>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

Hewlett-Packard

For more information about HP's commitment to the environment:



Technical Specifications

Corporate Environmental Information

Global Citizenship Report

<http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html>

Eco-label certifications

<http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html>

ISO 14001 certificates:

<http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html>

Options

HP LCD Monitor Quick Release—Part number EM870AA* (included)

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.

* 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.

HP LCD Speaker Bar—Part number NQ576AA

Powered directly by the monitor or the PC, the Speaker Bar seamlessly attaches to the monitor's lower bezel to bring full audio support to select HP LCD monitors. Features include dual speakers with full sound range and external jack for headphones. Sold separately. For more information, refer to the product's QuickSpecs.

HP USB Graphics Adapter—Part number NL571AA

Enables connection of up to six simultaneous displays to help you boost productivity and multi-task across several open applications. Use one Adapter to bridge between a notebook or desktop PC and second monitor or use multiple Adapters to connect several displays to each other.

HP Business PC Security Lock Kit—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.

Other

Accessories Included

DVI cable, DisplayPort cable, USB cable, power cable (single unit), HP Quick Release

Software

HP Display Assistant is a software utility that enables theft deterrence and allows monitor adjustment, color calibration, and security/asset management using the Display Data Channel Command Interface (DDC/CI) protocol of the connected PC or workstation.

User Guide Languages

English, B. Portuguese, French, LA Spanish, Korean, S. Chinese, T. Chinese, Bahasa, Japanese, Danish, Finnish, German, Norwegian, Spanish, Swedish, Greek, Polish, Russian, Slovenian, Turkish

Warranty Languages

English, Canadian French, LA Spanish, Brazilian Portuguese, Danish, German, Castilian Spanish, French, Italian, Dutch, Norwegian, Finnish, Swedish, Bahasa Indonesian, Korean, T. Chinese, S. Chinese

Color

Black

VESA External Mounting

Yes (one set of standard 4-hole pattern, 100 mm). Use of the top VESA 4-hole pattern will allow the user to set monitor head lower to the desk surface.



Technical Specifications

	Security Lock-Ready	Yes
Certification and Compliance	ISO 9241-307 VDT Guidelines Approval, CISPR Requirements, VCCI Approvals, MIC (Korean) Requirements, CSA, Australian ACA Approval, "GS" Mark, TUV Approvals, CE Marking, FCC Approval, Microsoft® Windows® Certification (Microsoft® Windows® 98, Microsoft Windows 2000, Microsoft Windows XP, Windows Vista® Premium, and Windows 7).	
Compatibility	Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.	
Service and Warranty	Protected by HP, including a 3 years parts, 3 years labor, and 3 years onsite service (3/3/3) standard limited warranty. Certain restrictions and exclusions apply.** ** HP Care Pack Services extend service contracts 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: http://www.hp.com/go/lookuptool . Additional HP Care Pack Services information by product is available at: http://www.hp.com/hps/carepack .	

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