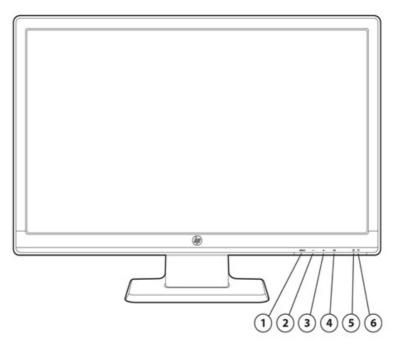## Overview

1. **Menu**   Opens, selects or exits the OSD menu.

2. **Minus "-"**   If the OSD menu is on, press to navigate backward through the OSD menu and decrease adjustment levels.

3. **Plus"+"/Input**   If the OSD menu is on, press to navigate forward through the OSD menu and increase adjustment levels.
   If the OSD menu is inactive, press to activate the source button that chooses the video signal input (VGA, DVI, or DisplayPort).

4. **OK/Auto**   If the OSD menu is on, press to select the highlighted menu item. If the OSD menu is inactive, press to activate the auto adjustment feature to optimize the screen image.

5. **Power**   Turns the monitor on or off.
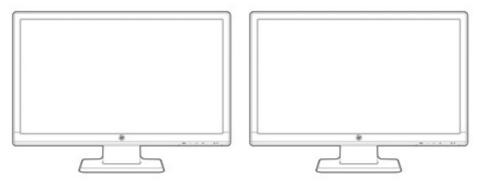
6. **Power LED**   LED:
   fully powered = blue;
   sleep mode = amber;
   sleep timer mode = flashing amber.

Overview

Boost Productivity with Dual Monitor Work Solution

(Multi-monitor support depends on your PC capability. Monitors and stands are sold separately.)

Model: E2T08AA

QuickSpecs

Technical Specifications

Panel	Type	TN w/LED backlight
	Viewable Image Area (diagonal)	**54,6 cm** (21.5 in) diagonally measured
	Active Area (W x H)	**47,66 x 26,81 cm** (18.76 x 10.56 in)
	Aspect Ratio	16:9
	Viewing Angle (typical)*	Up to 90° horizontal/50° vertical (10:1 minimum contrast ratio)
	Brightness (typical)*	200 (cd/m^2)
	Static Contrast Ratio (typical)*	600:1
	Dynamic Contrast Ratio (typical)*	1,000,000:1
	Response Time (typical)*	5 ms (on/off)
	Pixel Pitch	0.248 mm
	Backlight Lamp Life (to half brightness)	30,000 hours minimum
	Color Gamut (typical)*	72%
	Color Support**	Can display up to 16.7 million colors

*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
** With the use of FRC technology.

On Screen Display (OSD) Controls	Buttons or Switches	Menu, Minus ("-"), Plus ("+"), OK/Auto, Power
	Languages	9 (English, French, Brazilian Portuguese, Spanish, S. Chinese, T. Chinese, Basaha Indonesia, Japanese, Korean)
	User Controls	Brightness, Contrast, Color, Image Control, OSD Control, Management, Language, Information, Factory Reset, Source Control, Exit

Signal Interface/ Performance	Horizontal Frequency	24 to 94 kHz
	Vertical Frequency	50 to 76 Hz
	Native Resolution	1920 x 1080 @ 60 Hz
	Preset VESA Graphic Modes (non-interlaced)	1920 x 1080 @ 60 Hz 1680 x 1050 @ 60 Hz 1600 x 900 @ 60 Hz 1440 x 900 @ 60 Hz 1280 x 1024 @ 60 Hz 1280 x 720 @ 60 Hz 1024 x 768 @ 60 Hz 800 x 600 @ 60 Hz 720 x 400 @ 70 Hz 640 x 480 @ 60Hz
	Maximum Pixel Clock Speed	170 MHz
	User Programmable Modes	N/A
	Anti-Glare	No

Technical Specifications

	Default Color Temperature	6500 K	
Video/Other Inputs	**Plug and Play**	Yes	
	Input Connectors	VGA (analog), DVI-D (HDCP support on DVI-D)	
	USB	No	
	Video Cables	(1) VGA	
	Video Cable Lengths	VGA **1,8 m** (5.9 ft)	
	Audio	N/A	
Power	**Power Supply**	Internal	
	Input Power	100-240V at 50/60Hz	
	Typical Power Consumption	23 W	
	Maximum	29 W	
	Power Saving	0.5 W	
	Power Cable Length	**1,9 m** (6.2 ft)	
Mechanical	**Dimensions** (W x D x H)	**Unpacked w/stand**	**51,71 x 18,43 x 37,71 cm** (20.36 x 7.26 x 14.85 in)
		Unpacked w/o stand (head only)	**51,71 x 4,9 x 31,91 cm** (20.36 x 1.93 x 12.56 in)
		Packaged	**56 x 10 x 37,7 cm** (22.05 x 3.94 x 14.84 in)
		Base area (footprint)	**19,97 x 18,43 cm** (7.87 x 7.26 in)
	Weight	**Head Only**	**3,08 kg** (6.79 lb)
		Unpacked	**3,4 kg** (7.5 lb)
		Packaged	**5 kg** (11.03 lb)
	Tilt Range	–5° to +19°	
	Swivel Range	No	
	Height Adjustable	No	
	Pivot Rotation	No	
	Base	Detachable, ships attached	
Environmental	**Temperature - Operating**	**5° to 35° C** (41° to 95° F)	
	Temperature - Non-operating	**-20° to 60° C** (-4° to 140° F)	
	Humidity - Operating	15% to 90% non-condensing	
	Humidity - Non-operating	5% to 90%, 38.7° C max wet-bulb	
	Altitude - Operating	**0 to 5,000 m** (16,404 ft)	
	Altitude - Non-operating	**0 to 12,192 m** (0 to 40,000 ft)	
	White LED Backlights	Yes	
	CCFL Panel	No	

Technical Specifications

Arsenic-Free Display Glass	Yes	
Low Halogen[3]	Yes	
Mercury- Free Display Backlighting	Yes	

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	22.12 W	22.15 W	22.30 W
Sleep	0.24 W	0.27 W	0.24 W
Off	0.19 W	0.20 W	0.18 W

Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
Normal Operation	76 BTU/hr	75 BTU/hr	76 BTU/hr
Sleep	0.8 BTU/hr	0.9 BTU/hr	0.8 BTU/hr
Off	0.6 BTU/hr	0.6 BTU/hr	0.6 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 0 % post-consumer recycled plastic (by wt.)
- This product is 96.6 % recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Cardboard & misc	900 g	
Internal:	PLASTIC/EPS (Expanded Polystyrene)	400 g	
	PLASTIC/Polyethylene low density	12 g	

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

Technical Specifications

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
- 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.

Technical Specifications

		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 Corporate Environmental Information	For more information about HP's commitment to the environment: 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
What's in the box?	**Monitor and Accessories**	HP V221 21.5-inch LED Backlit Monitor; VGA cable; AC Power cable.
	Documentation	CD and printed warranty card
	Featured Software	N/A
Options	**HP Dual Output USB Graphics Adapter - Part number C5U89AA**	You can boost your productivity by creating a dual-monitor setup with the HP Dual Output USB Graphics Adapter - featuring both DVI-I and DisplayPort inputs to drive displays at high resolutions through a single USB 3.0 connection to your PC.
	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	Protect your HP Business PC from tampering or theft in public locations by locking-down peripherals such as mice, keyboards, monitors or USB security devices and preventing the removal of the PC chassis cover.
Other	**User Guide Languages**	English, Spanish, Brazilian Portuguese, French
	Warranty Languages	English, Latin America Spanish, Brazilian Portuguese, French Canadian
	Color	Black
	VESA External Mounting	Yes (one set of standard 4-hole pattern, 75 mm)
	Security Lock-Ready	Yes
	Country of Origin	China
Certification and Compliance		CE, CB ,KC, KCC, NOM, PSB, ICE, TUV-S, CCC, CEL Grade 1, CECP, ISC, VCCI ,FCC, Taiwan: BSMI
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 year standard limited warranty. Optional Care Pack Services are extended service contracts which go beyond your standard warranties.[2]

Technical Specifications

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[1]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.

[2] 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.

[3] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.