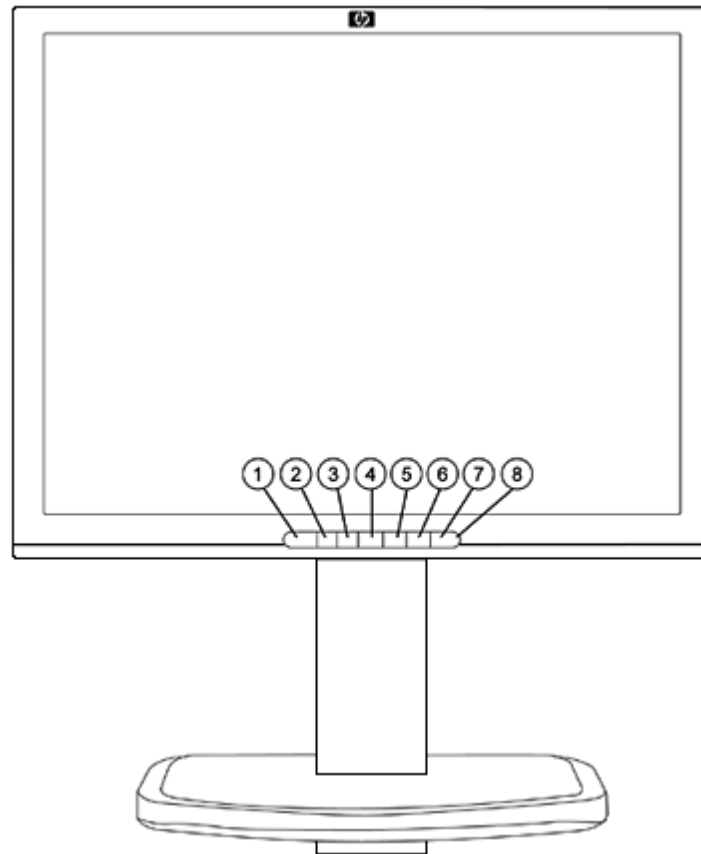


Overview



1. Activates Picture in Picture (PiP) window
2. Signal input selection
3. Auto adjustment of displayed Image
4. Select/adjust OSD menu settings; selects VGA input when OSD is not active
5. Select/adjust OSD menu settings; selects DVI-I input when OSD is not active
6. Launches OSD menu and selects functions.
7. Full power = green; Sleep = amber
8. Turns the monitor on and off

Models

Business Desktop Channel
Workstation Volume Channel
Workstation Value Channel

P9614A#xxx
P9614W#xxx
P9614X#xxx

Technical Specifications

Panel	Type	20-inch Active Matrix TFT (thin film transistor)
	Viewable Image Area (diagonal)	20.1 in (51 cm)
	Screen Opening (W x H)	16.2 x 12.17 in (41.1 x 30.9 cm)
	Viewing Angle (typical)*	Up to 170° H/170° V (10:1 minimum contrast ratio)
	Brightness (typical)*	Up to 300 nits (cd/m ²)
	Contrast Ratio (typical)*	Up to 700:1
	Response Rate (typical)*	16 ms (typical, rise + fall)
	Pixel Pitch	0.255 mm
	Color Depth Support	16.7 million colors
	Backlight Lamp Life (to half brightness)	45K hours
On Screen Display (OSD) Controls	Buttons or Switches	PiP (Picture in Picture), Input select, auto adjust, OSD up, OSD down, OSD menu select, power
	Languages	English, French, German, Spanish, Italian
	User Controls	Brightness, contrast, positioning, color temperature, individual color control, serial number display, full screen resolutions, clock, clock phase, video picture-in-picture (size and position), input selection (includes separate direct access key for dedicated swap between inputs 1 and 2), factory reset
Signal Interface/ Performance	Horizontal Frequency	30 to 94 kHz (VGA input); 30 to 92 KHz (DVI input) (for modes with pixel clock less than 157 MHz)
	Vertical Frequency	48 to 85 Hz (VGA input); 30 to 92 KHz (DVI input) (for modes with pixel clock less than 157 MHz)
	Graphics Controller	Pixelworks PW171
	Native Resolution	1600 x 1200 @ 60 Hz (recommended)
	Preset VESA Graphic Modes (non-interlaced)	1600 x 1200 @ 60 Hz, 75 Hz (VGA input)
		1280 x 1024 @ 60 Hz, 75 Hz, 85 Hz
		1280 x 960 @ 60 Hz
		1152 x 900 @ 66 Hz
		1024 x 768 @ 60 Hz, 75 Hz, 85 Hz
		800 x 600 @ 60 Hz, 85 Hz
		640 x 480 @ 60 Hz, 75 Hz, 85 Hz
	Text Mode	720 x 400 @ 70 Hz
	Mac Mode	1152 x 870 @ 75 Hz and 832 x 624 @ 75 Hz
	Sun Mode	1152 x 900 @ 66 Hz
	Maximum Pixel Clock Speed	202 MHz (VGA input); 162 MHz (DVI input)
User Programmable Modes	Yes, 10	
Anti-Glare	Yes	
Anti-Static	Yes	
Default Color Temperature	6500 K	

Technical Specifications

Video Input	Plug and Play	Yes	
	Input Signal	Four connectors, including one 15-pin mini D-sub VGA, one DVI-I (VGA analog and digital input), one composite video, and one s-video	
	Input Impedance	75 ohms \pm 10%	
	Sync Input	Separate sync (HSYNC/VSYNC); composite sync, Sync on Green	
	Video Cable	VGA to VGA; VGA to DVI-I; DVI-D to DVI-I	
	Video Cable Length	5.9 ft (1.8 m)	
Power	Input Power	Auto-Ranging, 90 to 132 VAC and 195 to 265 VAC; internal power supply, 50 Hz/60 Hz	
	Frequency	47.5 to 63 Hz	
	Typical Power Consumption	50 watts	
	Maximum	< 75 watts	
	Power Saving	< 5 watts	
	Power Cable Length	5.9 ft (1.8 m)	
	Mechanical	Dimensions (H x W x D)	Unpacked w/stand
Unpacked w/o stand (head only)			14.29 x 17.8 x 3.19 in (36.3 x 45.2 x 8.1 cm)
Packaged			11.5 x 21.9 x 23.9 in (29.2 x 55.6 x 60.6 cm)
Weight		Unpacked	With stand: 20.28 lbs (9.2 kg); Without stand: 12.35 lbs (5.6 kg)
		Packaged	26.9 lb (12.2 kg)
Tilt Range		-5° to + 25° vertical	
Swivel Range		-35° to + 35°	
Height Adjustable		Yes, range 3.54 in (9.0 cm)	
Pivot Rotation		Yes	
Base		Detachable, ships attached	
Environmental		Temperature - Operating	46° to 95° F (10° to 35° C)
	Temperature - Non-operating	6° to 140° F (-10° to 60° C)	
	Humidity - Operating	20% to 80% non-condensing	
	Humidity - Non-operating	5% to 85%	
	Altitude - Operating	+12,000 ft (3657.6 m)	
	Altitude - Non-operating	+40,000 ft (12,192 m)	
Options	HP Desktop Access Center	Sold separately, the HP Desktop Access Center features integrated microphone/headset jacks, dual function headset for phone/PC support, a MultiBay slot for adding an optical drive (sold separately), and four USB ports for easy integration of third-party digital solutions; part number DK985A. For more information, refer to the HP Desktop Access Center QuickSpecs.	

Technical Specifications

Other	Accessories Included	VGA to VGA cable – connects the graphic card's VGA analog connector to the monitor's input #1 (VGA analog) connector VGA to DVI-I cable – connects the graphic card's VGA connector to the monitor's input #2 (DVI-I analog) connector DVI-D to DVI-I cable – connects the graphic card's DVI-D digital connector to the monitor's input #2 (DVI-I digital) connector
	Software	Pivot Pro software from Portrait Displays, Inc. interacts with your PC's native graphics driver to enable seamless portrait screen redraws with a simple mouse-click or keyboard command. Pivot Pro supports 90-degree portrait and landscape views. Language support is available in English, Japanese, French, German, Spanish, Italian, and Traditional and Simplified Chinese.
	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	Carbonite/Silver
	VESA External Mounting	Yes (Standard 4 hole pattern, 100 mm)
	Kensington Lock-Ready	Yes
Certification and Compliance		Australian ACA Approval, Canadian Requirements/CSA, CE Marking, China CCIB/CCEE Approval, CISPR Requirements, Eastern European Approvals, Energy Star Compliant, FCC Approval, German Ergonomic (TUV and GS Mark), ISO 9241-3,7,8 VDT Guidelines, ISO 13406-2 Pixel Defect Guidelines, Mexican NOM Approval, MIC Requirements (New Zealand), MPR-II Compliant, Nordic Approvals (Nemko, Fimko, Demko, Semko), PC2001 Compliant, PC99 Certified, S. Korean MIC Approval, Taiwan BSMI Approval, TCO 03 (emissions, ergonomics, environment), TUV-Ergo, UL Listed, VCCI Approvals, Microsoft® Windows® Certification (Microsoft® Windows® 98, Microsoft Windows 2000, and Microsoft Windows XP)
Compatibility		Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.
Service and Warranty		Three years parts, labor, and on-site service. 24-hour, 90-day, toll-free technical support. Replacement options may include second business day on-site service, or next business day direct replacement, at HP's sole discretion. With direct replacement, HP will ship a replacement display product directly to you. Using the prepaid shipping labels provided, return your failed display to HP in the same packaging as the replacement. Certain restrictions and exclusions apply. For details see your product warranty or contact HP Customer Support.

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