



Dell™ 24" Widescreen UltraSharp™ 2405FPW Flat Panel Reviewer's Guide

**Contact:**

Name: Mary Fad

Phone: (512) 728-4026

E-Mail: Mary_Fad@dell.com

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New Dell™ 24" Widescreen UltraSharp™ 2405FPW Flat Panel Monitor

- Dell continues its commitment to provide customers the latest technology at industry leading prices.
- The 24" Widescreen UltraSharp 2405FPW Flat Panel Monitor is targeted for early adopters and computing enthusiasts such as gamers, and graphics designers (CAD/CAM and DCC)
 - 24" in viewable image size, largest PC display in Dell's UltraSharp Family of Flat Panel Displays.
 - WUXGA (1920x1200) resolution is the highest available resolution in Dell's UltraSharp™ Family providing gamers and designers the best in class image detail.⁴
 - 12ms¹ (typ) response enables crisp clear images when using the display for fast motion video such as gaming or video editing.
 - Dual input support for both Digital (DVI)³ or Analog connection
 - S-video, composite and component inputs allow for CE connectivity. Users can connect their gaming console, DVD-player or cable box and view alternative source video with a touch of single PiP (Picture-in-Picture) button². View both PC content and alternative source video in the same view and work and play at the same time!
 - Advanced adjustability
 - Height adjustability of 100mm up or down to allow customers to adjust to their comfort.
 - Panel swivel support of 45° right and left for collaborative viewing
 - Panel Tilt support of 5° forward and 20°back enabling maximum comfort
 - Pivot support of 90°enabling both landscape and portrait view (imagine 24" in portrait view) Why scroll? (lock mechanism that locks panel while in portrait mode).
 - Additional Features
 - Integrated 9-in-1 card reader (CF I/II, SD/mini SD, MS/MS Pro, MMC/Smart Media, IBM Microdrive) allows easy access to download photos or files, no need to reach under your desk!
 - 4 USB 2.0 high speed ports for easy access to connect peripheral devices such as cameras, USB keys or cameras!
 - Optional AS500 attachable stereo speaker bar for flat panels! Forget desk clutter, snap on the attachable sound bar!
 - Easy display detachment from stand allows panel to be wall-mounted (vesa standard 100mm, wall mount sold separately).

- A continued focus on the best customer experience as only Dell can deliver
 - Compatible with most Dell Precision™ Workstations and Desktops and Notebooks. Please note, some Dell video cards and integrated video will not support the 1680x1050 for the 2005FPW and 1920x1200 for the 2405FPW widescreen resolutions. To confirm support, please visit <http://www1.us.dell.com/content/learnmore/learnmore.aspx?c=us&l=en&s=gen&~id=monitors&~line=desktops&~lt=popup&~series=optix> to see a list of supported video solutions. If you are ordering a Dell widescreen monitor to be used with a non-Dell system, please inquire with the system manufacturer to confirm 1680x1050 or 1920x1200 resolution support.
 - To ensure that all users can setup the monitor easily, a Quick-Start guide allows immediate usability
 - Design enhancements included a stand lock down mechanism for the display head to be compressed and locked in place allowing for easy transport and the back of the panel includes a rubber sleeve enclosure for cable management.
- The promise of Reliability and Value
 - Dell Displays undergo exhaustive testing for performance, reliability, durability and compatibility with Dell systems. Under our H.A.L.T. (Highly Accelerated Life Cycle Testing) regimen, Dell engineers push our products well past specified tolerance limits for heat, cold, vibration, shocks and drops to ensure that they can withstand real-world conditions
 - Dell-branded monitors are designed to our exacting quality standards and manufactured by the world's foremost suppliers, who must pass Dell's stringent quality audit. All Dell-branded monitors meet or exceed relevant industry standards.
 - Dell provides a single point of contact and accountability, that can reduce the time, management and associated administration costs of dealing with multiple vendors and the peace of mind of purchasing from a stable and reliable technology partner.
 - As the World's Largest Flat Panel Provider⁵. Dell's buying power and direct business model allows Dell to offer our customers highest quality monitors at low prices.

LATEST DISPLAY TECHNOLOGY

Dell UltraSharp™ Widescreen**Latest technology, Advanced Features**

- 20" VIS, 24" VIS
- SXGA+ (1680x1050) & WUXGA (1920x1200)
- 12ms typical grey to grey response¹, 16ms typical black to white response
- 600:1, 1000:1 contrast
- Brightness 300nits, 500nits
- Viewing angles +/-88°, +/-89°
- Dual input (DVI³, Analog)
- S-video, Composite and Component on 24" only
- Stand and panel adjustability
- 4 port USB 2.0 high speed hub
- 9-in-1 card reader (24" only)
- AS500 attachable flat panel speaker optional

Designed for the computing enthusiast

ADVANCED PERFORMANCE AND FEATURES

Dell UltraSharp™**Relevant Technology, Advanced Feature**

- 15"-20" VIS standard aspect
- XGA (1024 X 768) - UXGA (1600x1200)
- Typical response times from 12ms-25ms
- Contrast support 400:1 to 1000:1
- Brightness 250nits-300nits
- Viewing angles +65/-70° to +/-88°
- Dual input (DVI³, Analog)
- Stand and panel adjustability
- 4 port USB 2.0 high speed hub
- AS500 attachable flat panel speaker optional

Advanced features and design for mainstream and performance users

Dell Entry FPD**Affordable Quality**

- 15"-19" VIS
- XGA (1024 X 768) - SXGA (1280x1024)
- Analog Only
- AS500PA attachable flat panel speaker optional

Designed for the customer who seeks a quality product with basic, essential features at an affordable price

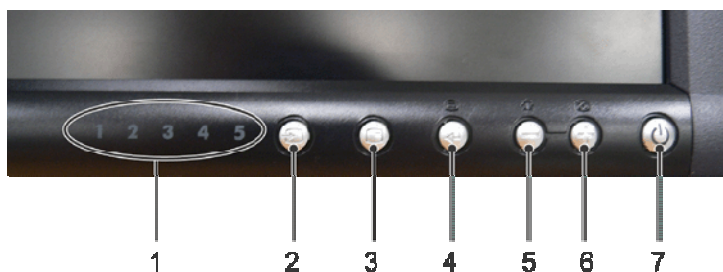
VALUE OR BUDGET



Front View

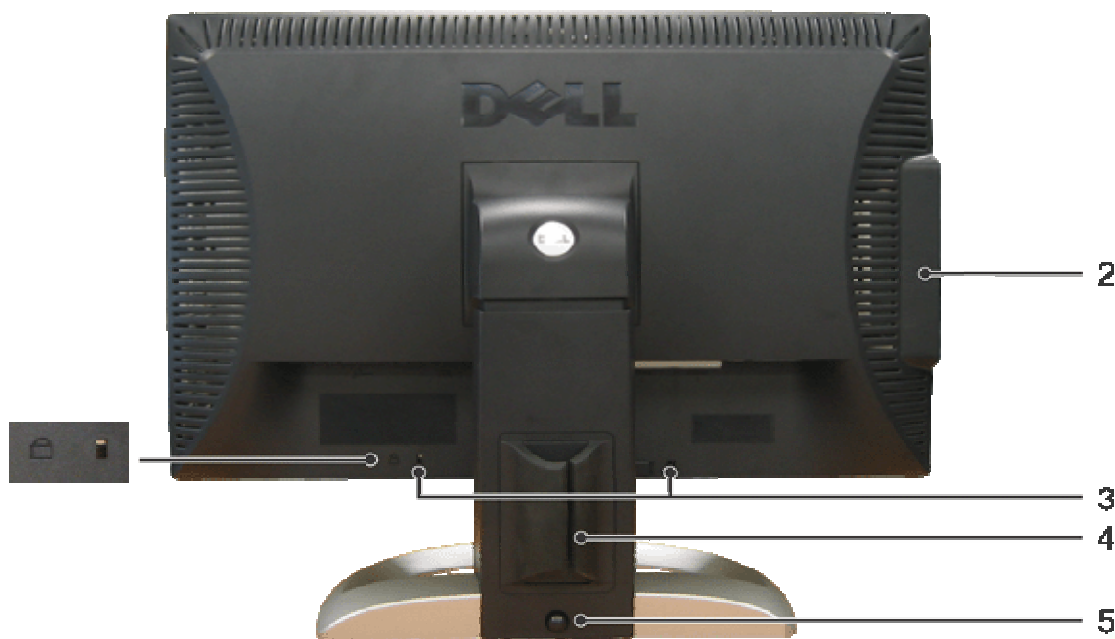
Contains the control panel, power button and PIP/PBP selection.

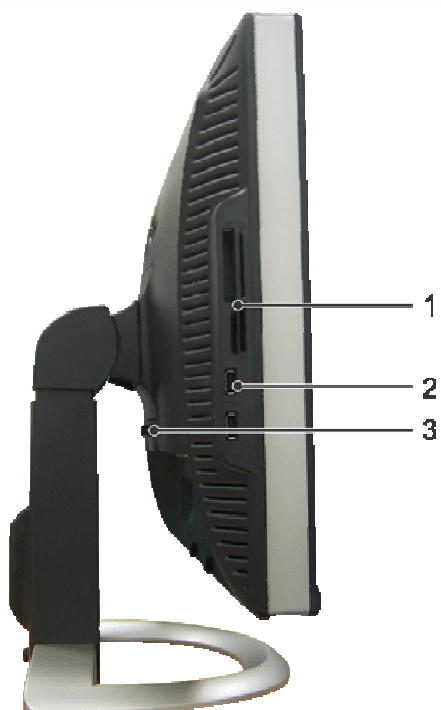
1. Input Indicators
2. Input Selection
3. PIP (picture in picture)/ PBP (picture by picture selection)⁴
4. Menu Selection
5. Brightness & Contrast/Down (-)
6. Auto Adjust/Up (+)
7. Power Button



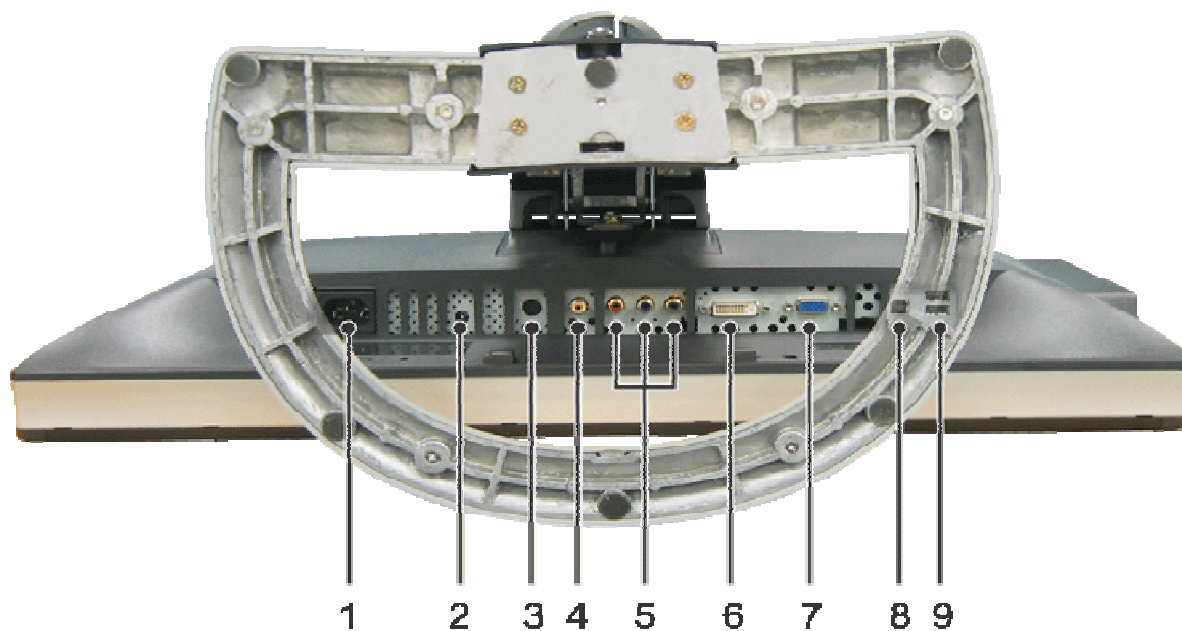
Back View

1. Kensington lock slot
2. USB downstream ports and card reader
3. Mechanical attachment point for Dell™ AS500 attachable flat panel speaker
4. Cable holder
5. Stand lock release button



**Left Side**

1. Card reader
2. USB downstream ports
3. Display removal button

**Bottom View**

1. AC power cord connector
2. DC power connector for Dell™ Sound Bar
3. S-Video connector
4. Composite video connector
5. Component video connectors
6. DVI connector
7. VGA connector
8. USB upstream port
9. USB downstream ports

Dell 2405FPW

Viewable Image Size	24" (Wide Aspect 16:10)
Type	Active Matrix TFT
Response (Typical)	12ms¹
Resolution	WUXGA 1920x1200⁴
Contrast Ratio	1000:1
Dimensions	H (extended) 25.3 inches x H (compressed) 21.5 inches W 22.0 inches x D 9.0 inches)
Brightness	500 cd/m²(typ)
Colors	16.7 Million
Power consumption	80W at full power, 59 typical
Cables included with every display	D-sub: Detachable, Analog, 15pin, shipped attached to the monitor DVI-D: Detachable, Digital, 24pin, shipped detached from the monitor S-video: Not included with display Composite: Not included with display Component: Not included with display

	Dell 2405FPW
Panel	
Screen Type	Active matrix TFT LCD
VIS (Viewable Image Size)	24 inches (24-inch diagonal viewable image size)
Pixel Pitch	
Typical Response Time	16ms (black to white), 12ms ¹
Preset Display Area:	
Horizontal	518.4 mm (20.4 inches)
Vertical	324.0 mm (12.7 inches)
Viewing Angle	+/- 89° (vertical) typ, +/- 89° (horizontal) typ
Luminance (Brightness)	500 cd/m ² (typ)
Contrast Ratio	1000:1 (typ)
Faceplate coating	Antiglare with hard-coating 3H
Backlights	6 CCFLs U-type backlight
Number of Colors	16.7 Million
Panel Technology	VA (Vertical Alignment)
Resolution	
Horizontal scan range	30 kHz to 81 kHz (automatic)
Vertical scan range	56 Hz to 76 Hz, exception 1680 x 1200 & 1920 x 1200 at 60 Hz only
Optimal preset resolution	Analog : 1920 x 1200 at 60 Hz(VESA CVT-R Mode) Digital : 1920 x 1200 at 60 Hz(VESA CVT-R Mode)
Highest preset resolution	Analog : 1920 x 1200 at 60 Hz(VESA CVT-R Mode) Digital : 1920 x 1200 at 60 Hz(VESA CVT-R Mode)
Preset Display Modes	
Display Modes	
VGA, 720 x 400	31.5 kHz Horizontal, 70.1 Hz Vertical
VGA, 640 x 480	31.5 kHz Horizontal, 59.9 Hz Vertical
VESA, 640 x 480	37.5 kHz Horizontal, 75.0 Hz Vertical
VESA, 800 x 600	37.9 kHz Horizontal, 60.3 Hz Vertical
VESA, 800 x 600	46.9 kHz Horizontal, 75.0 Hz Vertical
VESA, 1024 x 768	48.4 kHz Horizontal, 60.0 Hz Vertical
VESA, 1024 x 768	60.0 kHz Horizontal, 75.0 Hz Vertical
VESA, 1152 x 864	67.5 kHz Horizontal, 75.0 Hz Vertical
VESA, 1280 x 1024	64.0 kHz Horizontal, 60.0 Hz Vertical
VESA, 1280 x 1024	80.0 kHz Horizontal, 75.0 Hz Vertical
VESA, 1600 x 1200	75 kHz Horizontal, 60.0 Hz Vertical
VESA, 1920 x 1200	74 kHz Horizontal, 60.0 Hz Vertical
Physical Characteristics	
Signal cable type	Analog RGB: 0.7 Volts +/-5%, 75 ohm input impedance Digital DVI-D TMDS: 600mV for each differential line, 50 ohm input impedance S-video: Y input 1 volt(p-p), C input 0.286 volt(p-p), 75 ohm input impedance Composite: 1 volt(p-p), 75 ohm input impedance, Component: Y, Pb, Pr are all 0.5~1volt(p-p), 75 ohm input impedance
Connector type	D-sub: Detachable, Analog, 15pin, shipped attached to the monitor DVI-D: Detachable, Digital, 24pin, shipped detached from the monitor S-video: Cable not included with display Composite: Cable not included with display Component: Cable not included with display

Physical Characteristics Cont.

VESA Mounting Support

Yes (100mm)

Industrial Design

Dell

Dimensions:

Height (compressed/locked in landscape mode)

25"

Height (extended in landscape mode)

22"

Width

22"

Depth

9"

Weight

10.0 kg (22.1 lb)

Weight (with packaging)

13.2 kg (29.1 lb)

Environmental

Power Usage:

AC input voltage

100 to 240 VAC / 50 or 60 Hz + 3 Hz / 1.6A (Max.)

Operating (Typical - Maximum)

Active Off

Switched Off

Temperature:

Operating

5° to 35°C (41° to 95°F)

Nonoperating (Shipping Conditions)

Storage: 0° to 60°C (32° to 140°F)

Shipping: -20° to 60°C(-4° to 140°F)

Humidity:

Operating

10% to 80% (noncondensing)

Nonoperating (Shipping Conditions)

Storage: 5% to 90% (noncondensing)

Shipping: 5% to 90%(noncondensing)

Altitude:

Operating

3,657.6 m (12,000 ft) max

Nonoperating (Shipping Conditions)

12,192 m (40,000 ft) max

Thermal dissipation

272.8 BTU/hour (maximum)

201.2 BTU/hour (typical)

Pricing, specifications, availability, and terms of offers may change without notice. Taxes, fees, and shipping and handling charges are extra, and vary. Dell cannot be responsible for pricing or other errors, and reserves the right to cancel orders arising from such errors.

(1) 12ms typical response is based on grey to grey response, typical of fast motion video used in gaming and DVD movies.

(2) The P/P (PIP, PBP) feature supports viewing of two content sources simultaneously, where PC Input is the primary source and any of the AV Inputs is the secondary source.

(3) To use the UltraSharp Flat Panel Monitor DVI input, accompanying system must either be configured with a video card with DVI support or a DVI add-in card.

(4) Please note, some Dell video cards and integrated video will not support the 1680x1050 for the 2005FPW and 1920x1200 for the 2405FPW widescreen resolutions. To confirm support, please visit

<http://www1.us.dell.com/content/learnmore/learnmore.aspx?c=us&l=en&s=gen&~id=monitors&~line=desktops&~lt=popup&~series=optix> to see a list of supported video solutions. If you are ordering a Dell widescreen monitor to be used with a non-Dell system, please inquire with the system manufacturer to confirm 1680x1050 or 1920x1200 resolution support.

(5) DisplaySearch Quarterly Desktop Monitor Shipment and Forecast Report, "Top 10 WW LCD FPD Vendors", December 2004.

(6) For a copy of our guarantees or limited warranties, please write Dell USA L.P., Attn: Warranties, One Dell Way, Round Rock, TX 78682. For more information, visit http://www.dell.com/us/en/gen/misc/policy_010_policy.htm.

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