DELLTechnologies

A world of contrast

VESA CERTIFIED
DisplayHDR™ 1000

calman
POWERED

EXCEPTIONAL CONTRAST

World's first professional monitor with 2K mini LED direct backlit dimming zones.*

SPECTACULAR VISUALS

Create phenomenal 4K HDR content. Get the widest color coverage in a professional monitor with near 100% coverage of the DCI-P3 color space — 99.8% DCI-P3.*

CREATED FOR CREATORS

This VESA Certified DisplayHDR™ 1000 monitor with Calman® Powered built-in colorimeter, Thunderbolt™ 3 and multitasking features is the ideal choice for creative professionals.

TRUSTED RELIABILITY

World's number 1 monitor company.[1] Backed by renowned Dell reliability.

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ULTIMATE VISUALS

Uncompromised contrast and detail: Create phenomenal 4K HDR content on the world's first professional monitor with 2K mini-LED direct backlit dimming zones.* The densely packed LED panel delivers exceptional contrast and minimizes distracting halo effects.

True-to-life visuals: Experience deepest blacks and the brightest whites with VESA DisplayHDR 1000 and an incredible peak brightness of 1,000 nits.

Capture every nuance: See ultra-fine detail with Ultra HD 4K (3840x2160) resolution and 140ppi.

Consistent brightness and color: Expect consistent color across a wide 178°/ 178° viewing angle with In-Plane Switching (IPS) technology. Uniformity Compensation aids to deliver consistent brightness and color across the screen.

CREATED FOR CREATORS

Spectacular colors: Get the widest color coverage in a professional monitor with nearly 100% coverage of the DCI-P3 color space: 99.8% DCI-P3*, 93% Adobe RGB, and 83% BT.2020. With the increased adoption of DCI-P3 as standard for TVs and mobile phones/devices, this monitor is ideal for creating and viewing video content.

Extraordinary color depth: See a tremendous level of detail with excellent color gradation and precision with true 10 bit color and a 1.07 billion color depth.

Accurate color, out of the box: Your monitor is factory calibrated. With 99.8% DCI-P3 with an average Delta-E < 2, you can expect accurate colors right from the start.

Precise colors, every time: Calibrate your monitor on demand or on a regular schedule using the built-in Calman® Powered colorimeter — with or without a PC. You can also choose to use a compatible external colorimeter.

Unleash peak performance: Elevate your experience when you use this monitor with high performance Dell Precision workstations.

CONNECT TO PRODUCTIVITY

Lightning speed: Thunderbolt™ 3 delivers speeds of up to 40Gbps[2], creating one compact port that does it all—delivering the fastest[3] and most versatile connection to any dock, display or data peripheral.

Multitask efficiently: Connect two PC sources to the monitor, compare your content and display them at the same time with Picture-by-Picture (PBP). You can even work on a different color space for each input source for maximum creativity.

Dual 4K productivity: Easily daisy chain up to two 4K monitors with Thunderbolt™ 3 for greater multitasking capabilities. And, with the use of Dell dual monitors, you can increase your productivity by up to 21%.[4]

Quick convenience: A USB-A port at the front of the monitor lets you easily connect to external colorimeters or spectrophotometers.

ELEVATED DESIGN

Block out distractions: Reduce unwanted ambient light, glare and reflection with the magnetically attached shading hood.

Easy control: Navigate the menu and adjust screen settings with ease via the joystick control.

Purposeful design: Crafted with a premium platinum silver finish, this sleek monitor features a small base, a catch-less snap-on cable cover and an improved cable management design that hides cables in the monitor riser, for a clutter free desk space.

Adjusts to your comfort: Tilt, swivel and adjust the height of your monitor to a maximum of 160 mm for a comfortable setup all day long.

THANK YOU FOR MAKING DELL MONITORS #1 WORLDWIDE[1]

Peace of mind: Dell Premium Panel Exchange allows a free monitor replacement during the Limited Hardware Warranty[5] period even if only one bright pixel is found.

Minimize downtime: Your monitor comes with a 3-year Advanced Exchange Service[6] so that if a replacement becomes necessary, it will be shipped to you the next business day during your 3-year Limited Hardware Warranty. Upgrade to 24 X 7, in-region technical phone support from qualified engineers with Dell ProSupport option.[7]

Features & Technical Specifications

Monitor
Dell UltraSharp 32 HDR PremierColor Monitor – UP3221Q

Diagonal Viewing Size	800.0 mm (31.5 inches)
Horizontal	697.31 mm (27.45 inches)
Vertical	392.23 mm (15.44 inches)
Maximum Preset Resolution	3840 x 2160 @ 60Hz
Aspect Ratio	16:9
Pixel Pitch	0.1816 mm x 0.1816 mm
Pixel Per Inch (PPI)	140
Brightness	SDR: 350 cd/m², HDR: 1000 cd/m²
Color Support	Color Gamut (typical): CIE1931 Adobe RGB 93%, CIE1976 DCI-P3 99.8%, CIE1976 BT2020 83%
	Color depth: 1.07 billion colors (True 10 Bit)
Color Calibration Accuracy	**SDR:** Delta-E < 1 (average) for DCI P3 D65, BT.709 D65, sRGB D65
	Delta-E < 2 (average) for Adobe RGB D65 and Adobe RGB D50
	HDR: ST 2084(PQ): Delta-E < 3.5
	HLG Delta-E < 3.5
Dell Monitor SDK Support	Yes
Color Calibration, Management Software	Yes, Calman® Powered, Dell Color Management, Dell Calibration Assistant
Color Calibration with Internal Colorimeter	Yes
Color Calibration with External Colorimeter	Yes (with compatible colorimeters and spectrophotometers)
Contrast Ratio	1300 : 1 (typical), 1,000,000 to 1 (HDR On)
Viewing Angle	178° (vertical) typical / 178° (horizontal) typical
Response Time	6 ms gray to gray in Fast mode; 8 ms gray to gray in Normal mode; 14 ms gray to gray in Off mode
Panel Type	In-Plane Switching Technology
Backlight Technology	Mini LED backlight
Dell Display Manager Compatibility[8]	Yes
Daisy Chain Availability	Yes, MST capable monitor
Picture-by-Picture (PbP)	2 modes - AA, AB mode
Display Screen Coating	Advanced anti-glare treatment of the front polarizer (Haze 25%, 3H)

Connectivity

Connectors	1 x DP 1.4 (HDCP 2.2)
	2 x HDMI 2.0 (HDCP 2.2)
	1 x Thunderbolt™ 3 upstream port (DP 1.4) - Power Delivery up to 90W
	1 x Thunderbolt™ 3 downstream port (DP1.4) - Power Delivery up to 15W
	2 x SuperSpeed USB 5/10 Gbps (USB 3.2 Gen 1/2) downstream port
	1 x External Colorimeter port[9]

Design features

Adjustability	Height adjustability stand (160 mm), Tilt (-5° to 21°), Swivel (-30° to 30°), Pivot (-90° to 90°)
Security	Security lock slot (cable lock sold separately)
	Anti-theft stand lock slot (to lock stand to monitor using screw)
Flat Panel Mount Interface	VESA mounting holes (100 mm x 100 mm - behind attached VESA cover)

Power

AC input voltage/frequency/current	100 VAC to 240 VAC / 50 Hz or 60 Hz + 3 Hz / 4.5 A (maximum)
Power Consumption (Operational)	70W (typical) / 380W (maximum)[10]
Power Consumption Stand by/Sleep	Less than 0.5W

Dimensions (with stand)

Height (Compressed ~ Extended)	463.7 mm ~ 623.7 mm (18.25 inches ~ 24.55 inches)
Width	712.5 mm (28.05 inches)
Depth	250.0 mm (9.84 inches)

Weight

Weight (panel only and with cable cover attached - for VESA mount)	11.31 kg (24.93 lb)
Weight (with stand assembly, hood, cables)	18.07 kg (39.83 lb)
Weight (with packaging)	24.33 kg (53.62 lb)

Standard Service Plan	Premium Panel Exchange, 3-Years Advanced Exchange Service[6] and Limited Hardware Warranty[5]
Optional Service Plan	Dell ProSupport[7]
Environmental Compliance	RoHS Compliant, BFR/PVC Free (Halogen-free) (excluding external cables), Arsenic-Free glass and Mercury-Free for the panel only

What's in the box?

Components
- Monitor
- Stand Riser
- Stand Base
- I/O Cover
- Monitor Hood

Cables
- 1 x Power cable
- 1 x Thunderbolt 3 (USB-Type-C) Active cable
- 1 x HDMI Cable
- 1 x DP Cable (DP to DP)
- 1 x USB Type-C to Type-A cable

Documentation
- Quick Setup Guide
- Thunderbolt™ 3 Connection Tech Sheet
- Calibration and Validation Tech Sheet
- Factory Calibration Report
- Safety, Environmental and Regulatory Information

Connectivity and Accessories

Purposeful design, built for ergonomic comfort.

Joystick menu control, cable management slot

21º — 5º — 160 mm
Tilt and height adjustable

90º — 90º
Pivot

30º — 30º
Swivel

Shading Hood
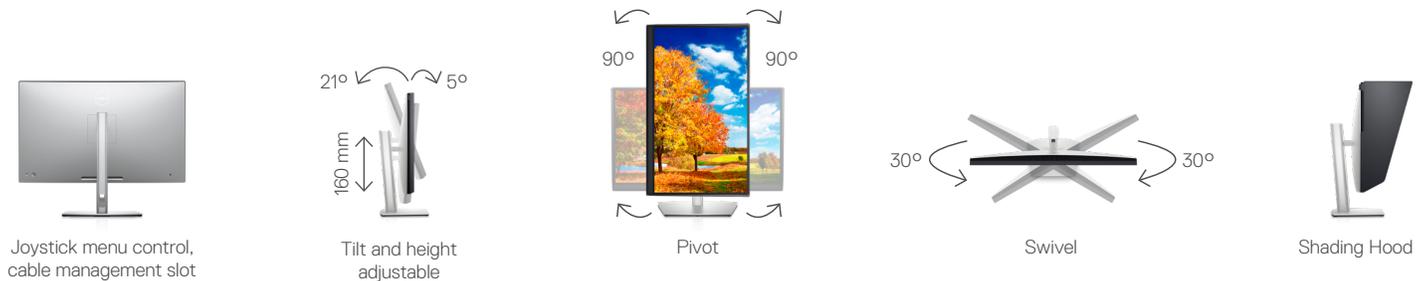
Connectivity

1 AC Power	**4** DisplayPort (In)
2 Stand lock	**5** Audio Line-Out[11]
3 HDMI port	**6** Thunderbolt™ 3 Upstream

7 Thunderbolt™ 3 Downstream
8 SuperSpeed USB 10Gbps Downstream
9 External Colorimeter port[9]

RECOMMENDED ACCESSORIES

DELL PREMIER WIRELESS KEYBOARD AND MOUSE | KM717

Enjoy a uniquely designed, arc-shaped mouse that fits into virtually any workspace and boost productivity with a keyboard that features multi-OS support and popular shortcut keys.

JABRA EVOLVE 75

With the ambient noise cancellation feature of this wireless headset, you can hear every word clearly on your next call. This easy-to-carry device is certified for Microsoft Skype for Business.