

DELL ULTRASHARP 32 HDR PREMIERCOLOR MONITOR | UP3221Q

# A world of contrast



## EXCEPTIONAL CONTRAST

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



## 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.



## 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.\*



## TRUSTED RELIABILITY

World's number 1 monitor company!<sup>1</sup>  
Backed by renowned Dell reliability.

# A world of contrast



## 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.<sup>1</sup> 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

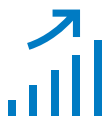
**Spectacular colors:** Get the widest color coverage in a professional monitor with nearly 100% coverage of the DCI-P3 color space: 99.8% DCI-P3<sup>2</sup>, 93% Adobe RGB, and 83% BT.2020. With the increased adoption of DCI-P3 as standard for TVs and mobile phones/devices, this monitor is ideal for 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<sup>®</sup> 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<sup>™</sup> 3 delivers speeds of up to 40Gbps<sup>2</sup>, creating one compact port that does it all—delivering the fastest<sup>3</sup> 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<sup>™</sup> 3 for greater multitasking capabilities. And, with the use of Dell dual monitors, you can increase your productivity by up to 21%.<sup>4</sup>

**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<sup>1</sup>

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

**Minimize downtime:** Your monitor comes with a 3-year Advanced Exchange Service<sup>6</sup> 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.<sup>7</sup>

# Features & Technical Specifications

## Monitor

### Diagonal Viewing Size

Horizontal

Vertical

### Maximum Preset Resolution

### Aspect Ratio

### Pixel Pitch

### Pixel Per Inch (PPI)

### Brightness

### Color Support

### Color Calibration Accuracy

### Dell Monitor SDK Support

### Color Calibration, Management Software

### Color Calibration with Internal Colorimeter

### Color Calibration with External Colorimeter

### Contrast Ratio

### Viewing Angle

### Response Time

### Panel Type

### Backlight Technology

### Dell Display Manager Compatibility<sup>8</sup>

### Daisy Chain Availability

### Picture-by-Picture (PbP)

### Display Screen Coating

## Connectivity

### Connectors

## Design features

### Adjustability

### Security

### Flat Panel Mount Interface

## Power

### AC input voltage/frequency/current

### Power Consumption (Operational)

### Power Consumption Stand by/Sleep

## Dimensions (with stand)

### Height (Compressed ~ Extended)

### Width

### Depth

## Weight

### Weight (panel only and with cable cover attached - for VESA mount)

### Weight (with stand assembly, hood, cables)

### Weight (with packaging)

## Standard Service Plan

## Optional Service Plan

## Environmental Compliance

Dell UltraSharp 32 HDR PremierColor Monitor – UP3221Q

800.0 mm (31.5 inches)

697.31 mm (27.45 inches)

392.23 mm (15.44 inches)

3840 x 2160 @ 60Hz

16:9

0.1816 mm x 0.1816 mm

140

SDR: 350 cd/m<sup>2</sup>, HDR: 1000 cd/m<sup>2</sup>

Color Gamut (typical): CIE1931 Adobe RGB 93%,

CIE1976 DCI-P3 99.8%, CIE1976 BT2020 83%

Color depth: 1.07 billion colors (True 10 Bit)

**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

Yes

Yes, Calman<sup>®</sup> Ready Powered, Dell Color Management,

Dell Calibration Assistant

Yes

Yes (with compatible colorimeters and spectrophotometers)

1300 : 1 (typical), 1,000,000 to 1 (HDR On)

178° (vertical) typical / 178° (horizontal) typical

6 ms gray to gray in Fast mode; 8 ms gray to gray in Normal mode; 14 ms gray to gray in Off mode

In-Plane Switching Technology

Mini LED backlight

Yes

Yes, MST capable monitor

2 modes - AA, AB mode

Advanced anti-glare treatment of the front polarizer (Haze 25%, 3H)

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<sup>9</sup>

Height adjustability stand (160 mm), Tilt (-5° to 21°),

Swivel (-30° to 30°), Pivot (-90° to 90°)

Security lock slot (cable lock sold separately)

Anti-theft stand lock slot (to lock stand to monitor using screw)

VESA mounting holes (100 mm x 100 mm - behind attached VESA cover)

100 VAC to 240 VAC / 50 Hz or 60 Hz + 3 Hz / 4.5 A (maximum)

70W (typical) / 380W (maximum)<sup>10</sup>

Less than 0.5W

463.7 mm ~ 623.7 mm (18.25 inches ~ 24.55 inches)

712.5 mm (28.05 inches)

250.0 mm (9.84 inches)

11.31 kg (24.93 lb)

18.07 kg (39.83 lb)

24.33 kg (53.62 lb)

Premium Panel Exchange, 3-Years Advanced Exchange Service<sup>6</sup> and Limited Hardware Warranty<sup>5</sup>

Dell ProSupport<sup>7</sup>

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

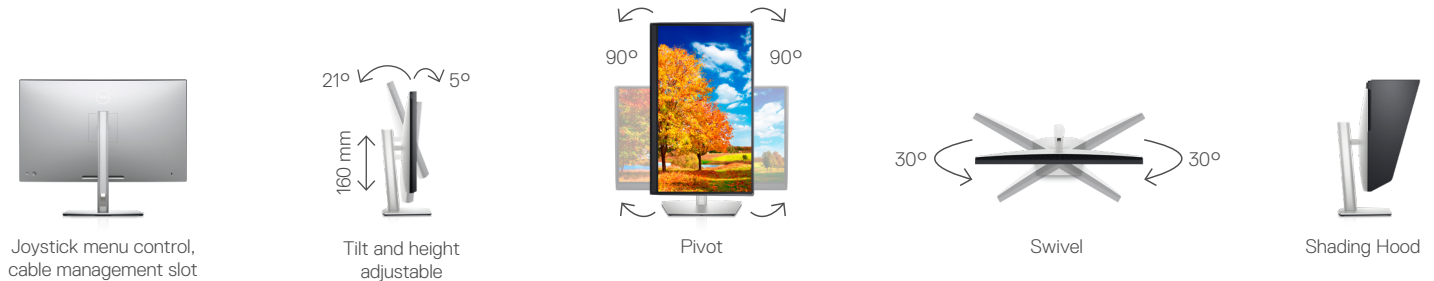
### Documentation

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

# Connectivity and Accessories

DELL ULTRASHARP 32 HDR PREMIERCOLOR MONITOR | UP3221Q

Purposeful design, built for ergonomic comfort.



## Connectivity



- |              |                                |  |
|--------------|--------------------------------|--|
| 1 AC Power   | 4 DisplayPort (In)             | 7 Thunderbolt™ 3 Downstream              |
| 2 Stand lock | 5 Audio Line-Out <sup>11</sup> | 8 SuperSpeed USB 10Gbps Downstream       |
| 3 HDMI port  | 6 Thunderbolt™ 3 Upstream      | 9 External Colorimeter port <sup>9</sup> |

## 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.

\* Based on Dell analysis of comparable monitors, June 2020.

1 Dell monitors are #1 Worldwide for 7 consecutive years (2013, Q2 to 2020, Q2)! Source: IDC Worldwide Quarterly PC Monitor Tracker, Q2, 2020.

2 Data transfer speeds may vary among different USB devices, system configurations, and other factors.

3 As compared to other PC I/O connection technologies including eSATA, USB, and IEEE 1394 Firewire. Performance will vary depending on the specific hardware and software used. Must use a Thunderbolt-enabled device.

4 Based on Principled Technologies Report commissioned by Dell, "Improve productivity with the new Dell monitors in a dual-display configuration", November 2018, Actual results will vary. Full report at [https://www.principledtechnologies.com/Dell/P2419H\\_monitor\\_productivity\\_1118.pdf](https://www.principledtechnologies.com/Dell/P2419H_monitor_productivity_1118.pdf)

5 For a copy of the Limited Hardware Warranty, write to Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see [dell.com/warranty](http://dell.com/warranty).

6 Advanced Exchange: Dell will send you a replacement monitor the next business day in most cases, if deemed necessary after phone/online diagnosis. Shipping times may vary by location and for monitors 55" and above. Fee charged for failure to return defective unit. See [dell.com/servicecontracts/global](http://dell.com/servicecontracts/global).

7 Availability varies, please visit [www.dell.com/support](http://www.dell.com/support) for details.

8 Learn more about Dell Display Manager software and where to download at [dell.com/ddm](http://dell.com/ddm)

9 Does not support standard USB devices.

10 Maximum power consumption with maximum luminance and USB active.

11 Headphone use is not supported for the audio line out connector.

[Dell.com/monitors](http://Dell.com/monitors)

Product availability varies by country. Please contact your Dell representative for more information.

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