

# USB-C Adapter, Triple Display - 4K 60 Hz DisplayPort, 8K, HDR, 4:4:4, HDCP 2.2, DP 1.4 Alt Mode, Black

MODEL NUMBER: U444-3DP-MST



USB-C to DisplayPort adapter connects 3 DisplayPort 4K monitors to the USB-C or Thunderbolt port on your MacBook Pro or Windows laptop.

## Features

### USB-C to DisplayPort Adapter Connects 8K or 4K DisplayPort Monitors to Your USB-C Device

This USB adapter connects one 8K or three 4K DisplayPort monitors, projectors and/or televisions to the USB-C or Thunderbolt port on your MacBook Pro, Chromebook or Windows laptop. It's an ideal connector for creating video walls, giving video presentations in conference rooms and classrooms, editing documents or high-definition video on a larger screen, or streaming video for digital signage in crystal-clear 8K or 4K.

### Supports USB-C DisplayPort Alternate Mode for Converting Audio/Video Signals

By connecting the built-in USB-C cable to a source device that supports USB DisplayPort Alt Mode, you can output 8K/4K video and digital audio to DisplayPort monitors, televisions or projectors without installing special software drivers. **Note:** To achieve 8K/4K resolution, the source device should support DP 1.4 Alt Mode. When a monitor is connected to a DP 1.2 Alt Mode source, the corresponding resolution will be decreased due to bandwidth limitation.

### DisplayPort SST and MST Modes Allow Connection of Multiple Displays

By connecting the USB-C adapter to a source that supports DisplayPort Single-Stream Transport (SST) or Multi-Stream Transport (MST) mode, you may connect up to three displays simultaneously. This allows you to show the same image on all monitors, extend your host desktop across all with different windows open on each, or combine all into one large display as a video wall, depending on your operating system.

### Enjoy the Clarity of 8K/4K Video on Up to 3 Displays with Windows and macOS Systems

When connected to a Windows source device, this USB to DisplayPort adapter supports connection of one 8K/30 Hz monitor, two 4K/60 Hz monitors or one 4K/60 Hz monitor + two 4K/30 Hz monitors. When used with a macOS source, the U444-3DP-MST allows one 8K/30 Hz connection or up to three 4K/60 Hz connections.

### Enjoy Enhanced Picture and Sound with HDR and 4:4:4 Color

The adapter supports 48-bit Deep Color and 7.1-channel surround sound. High Dynamic Range (HDR) provides a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your display. HDCP 2.2 compliance allows you to stream 4K Amazon and Netflix content with no complications. This adapter also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

### Ready to Use Right from the Package, So You Can Plug and Play Immediately

The adapter requires no software or external power. Just connect the USB-C cable to the USB-C or Thunderbolt port on a source device that supports USB DisplayPort Alternate Mode, and connect the DisplayPort outputs to your displays with user-provided cables (such as Tripp Lite's P580-Series cables).

## Highlights

- Converts audio/video signals from sources supporting USB-C DisplayPort Alt Mode
- Displays 4K video on 3 monitors simultaneously for multitasking and increasing productivity
- Displays 8K video on one connected monitors for brilliant digital signage and presentations
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Plug-and-play operation with no software required for easy, immediate installation

## System Requirements

- Source device with USB-C or Thunderbolt port that supports USB DisplayPort Alternate Mode (DP 1.4 Alt Mode required for some features)
- Display device(s) with DisplayPort input
- Multi-Stream Transport (MST) required to achieve extended dual or triple displays; typically, Windows systems support MST
- Single-Stream Transport (SST) required to achieve mirrored dual or triple displays; typically, Mac systems support SST

## Package Includes

- U444-3DP-MST USB-C Adapter, Triple Display, Black
- Quick start guide



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## Specifications

| OVERVIEW                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UPC Code                       | 037332263803                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Product Type                   | USB-C to DisplayPort Multi-Port Adapter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Technology                     | DisplayPort; USB 3.x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Host Connector                 | USB C (MALE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| VIDEO                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Video Input                    | USB C (MALE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Video Output                   | DISPLAYPORT (FEMALE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Number of Monitors Supported   | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Video Ports                    | (3) DISPLAYPORT (FEMALE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Video Ports Details            | HDCP 1.4; HDCP 2.2; DisplayPort 1.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Resolutions Supported          | When used with a DP 1.4 host device with Windows OS, the product supports maximum 8K (7680 x 4320) @ 30 Hz output to a single port, triple 4K (3840 x 2160) with x1 4K/60 Hz and x2 4K/30 Hz maximum, or single/dual 4K/60 Hz. When used with a DP 1.4 host device with Mac OS, the product supports maximum 8K (7680 x 4320) @ 30 Hz output to a single port, triple 4K (3840 x 2160) with x3 4K/60 Hz, or single/dual 4K/60 Hz. When used with a DP 1.2a host device the product supports dual output 4K (3840 x 2160) @ 30 Hz maximum |
| Supported Resolutions          | 1280x720 (720p); 1920x1080 (1080p); 3840x2160 (4K); 7680x4320 (8K)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Max Supported Video Resolution | 7680 x 4320 @ 30 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Recommended Cabling            | <a href="#">P580 Series</a> DisplayPort cables                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Extended Mode                  | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Extended Mode Details          | Supports x3 DisplayPort outputs: When used with a Windows OS host, supports triple 4K (x1 4K/60 Hz and x2 4K/30 Hz) with different video output per monitor under MST Mode. When used with a Mac OS host, supports triple 4K output (x3 4K/60 Hz) with mirrored image only under SST Mode*. To achieve the above resolutions host must support DP 1.4 Alt Mode. If using a DP 1.2 host the resolutions will be decreased due to limited bandwidth.                                                                                       |
| Mirror Mode                    | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mirror Mode Details            | Supports x3 DisplayPort outputs: When used with a Windows OS host, supports triple 4K (x1 4K/60 Hz and x2 4K/30 Hz) with different video output per monitor under MST Mode. When used with a Mac OS host, supports triple 4K output (x3 4K/60 Hz) with mirrored image only under SST Mode*. To achieve the above resolutions host must support DP 1.4 Alt Mode. If using a DP 1.2 host the resolutions will be decreased due to limited bandwidth.                                                                                       |
| Max Supported Color Depth      | 48-bit Deep Color                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HDR Support                    | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3D Video Supported             | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Chroma Sub Sampling            | 4:2:0; 4:2:2; 4:4:4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| AUDIO                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Audio Ports                    | (3) DISPLAYPORT (FEMALE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



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|----------------------------------------------|------------------------------------------------------------------------------------------------------|
| Audio Ports Details                          | Supports pass-through audio function via DisplayPort outputs. Can select one audio source at a time. |
| Audio Input                                  | USB-C                                                                                                |
| Audio Output                                 | Displayport                                                                                          |
| Audio Specification                          | Supports 7.1-channel surround sound                                                                  |
| <b>INPUT</b>                                 |                                                                                                      |
| Built-In Cable Length (ft.)                  | 0.56                                                                                                 |
| Built-In Cable Length (m)                    | 0.17                                                                                                 |
| Built-In Cable Length (in.)                  | 6.69                                                                                                 |
| Built-In Cable Length (cm)                   | 17                                                                                                   |
| Bus Powered                                  | Yes                                                                                                  |
| <b>POWER</b>                                 |                                                                                                      |
| USB Power Delivery (PD) Charging Support     | No                                                                                                   |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |                                                                                                      |
| LED Indicators                               | N/A                                                                                                  |
| <b>PHYSICAL</b>                              |                                                                                                      |
| Color                                        | Black                                                                                                |
| Material of Construction                     | PC, ABS, TPE                                                                                         |
| Cable Jacket Color                           | Black                                                                                                |
| Cable Jacket Material                        | TPE                                                                                                  |
| Cable Outer Diameter (OD)                    | 4.3 mm                                                                                               |
| Wire Gauge (AWG)                             | 24 + 32 + 34                                                                                         |
| Number of Displays                           | 3                                                                                                    |
| Shipping Dimensions (hwd / in.)              | 0.79 x 4.72 x 3.94                                                                                   |
| Shipping Weight (lbs.)                       | 0.14                                                                                                 |
| Unit Dimensions (hwd / cm)                   | 1.15 x 3.6 x 8.69                                                                                    |
| Unit Dimensions (hwd / in.)                  | 0.45 x 1.42 x 3.42                                                                                   |
| Unit Packaging Type                          | Box                                                                                                  |
| Unit Weight (kg)                             | 0.45                                                                                                 |
| Unit Weight (lbs.)                           | 1                                                                                                    |
| <b>ENVIRONMENTAL</b>                         |                                                                                                      |
| Operating Temperature Range                  | 32 to 113F (0 to 45C)                                                                                |
| Storage Temperature Range                    | 14 to 158F (-10 to 70C)                                                                              |



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|                                      |                               |
|--------------------------------------|-------------------------------|
| Operating Humidity Range             | 10% to 85% RH, Non Condensing |
| Storage Humidity Range               | 5% to 90% RH, Non Condensing  |
| <b>CONNECTIONS</b>                   |                               |
| Ports                                | 3                             |
| Side A - Connector 1                 | USB C (MALE)                  |
| Side B - Connector 1                 | (3) DISPLAYPORT (FEMALE)      |
| Connector Plating                    | Nickel                        |
| <b>FEATURES &amp; SPECIFICATIONS</b> |                               |
| Displayport Specification            | 1.4                           |
| HDCP Specification                   | 2.2                           |
| USB Specification                    | USB 3.2 Gen 2 (Up to 10 Gbps) |
| Driver Required                      | No                            |
| MST Support                          | Yes                           |
| Multi-Resolution Support             | Yes                           |
| <b>STANDARDS &amp; COMPLIANCE</b>    |                               |
| Certifications                       | RoHS, REACH, CE, FCC          |
| <b>WARRANTY</b>                      |                               |
| Product Warranty Period (Worldwide)  | 3-year limited warranty       |

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