

2m DisplayPort 2.1 Cable, VESA Certified DP80 DisplayPort Cable, Uncompressed 10K/8K 60Hz, 16K 60Hz/8K 240Hz w/DSC 1.2a, DP 2.1 Monitor Cord

**Product ID:** DP21V-2M-DP80-CABLE



Connect an 8K/4K UHD DisplayPort monitor to a host computer or MST hub, using this VESA-Certified DisplayPort 2.1 DP80 Cable. This cable facilitates high bandwidth video and multi-channel audio and is ideal for 8K workstations, high performance GPUs, and dedicated AV applications including media production and content creation.

For seamless operation between DisplayPort-enabled devices, the DisplayPort 2.1 Cable is VESA Certified for guaranteed DP 2.1 and backward compatibility (DP 2.0/1.4/1.2). It supports G-Sync and FreeSync, enhancing Variable Refresh Rate (VRR) performance for optimal picture quality between high-capacity GPUs and supported displays.

This DisplayPort cable features a flexible TPE outer jacket that is tested to withstand 600 bending cycles at +/-60 degrees, and routes easily around corners and desk edges. Robust strain reliefs enable convenient positioning of the cable, and latching nickel-plated DP connectors attach securely to prevent accidental disconnection. The connectors are rated to operate beyond 10,000 insertions.

This DP80 DisplayPort cable supports the following DP 2.1 features:

- UHBR20 supports high refresh rates including uncompressed 5K 144Hz and 4K 240Hz
- DSC-compressed video up to 16K 60Hz / 10K 144Hz / 8K 240Hz 4:4:4 8-bit
- Uncompressed video resolutions up to 10K 60Hz / 8K 60Hz / 4K 240Hz 4:4:4 8-bit
- High-Bandwidth Digital Content Protection (HDCP) 2.3 for a secure connection between source and display
- High Dynamic Range 10 (HDR10) for higher contrast ratio and vibrant picture quality
- Display Stream Compression (DSC) 1.2a for maximum resolution output
- Multi-Stream Transport (MST) for daisy-chaining multiple monitors

- 32 Uncompressed Digital Audio Channels
- Backward compatible with previous DP versions

This DP 2.1 Cable is constructed with braided aluminum mylar shielding to minimize EMI for clear, consistent audio/video output and long-term reliable performance.

## Certifications, Reports and Compatibility



## Applications

- Facilitate DisplayPort 2.1 performance with backward compatibility
- Connect a high performance GPU to an 8K 60Hz UHD display

## Features

- **Deliver Uncompressed 10K 60Hz Video**: Connect this DP 2.1 (DP80) Cable to an ultra-high resolution display for vivid, uncompressed 10K/8K 60Hz/4K 240Hz video with HDR support and HDCP 2.3; Enable immersive sound quality with 32-channel and 7.1 surround audio
- **Certified for Guaranteed Performance**: Trust this VESA-Certified DP 2.1 cable for guaranteed DP80 (80Gbps) bandwidth with UHBR20 link rate support, ensuring full 10K 60Hz performance and up to 16K 60Hz / 8K 240Hz with Display Stream Compression (DSC 1.2a)
- **Identify Specs Instantly**: DP2.1 (DP80) specs printed on each Quick ID connector remove guesswork and confirm feature support at-a-glance; The eco-friendly TPE jacket is flexible and durable, designed to withstand tight bends and is RoHS-compliant
- **For High-Resolution Workflows**: Optimize high performance GPUs and AV workstations at UHD resolutions beyond 4K; Achieve sharp 10K/8K picture at 10-bit and 8-bit 4:4:4 chroma; Works with USB-C to DP adapters for laptops such as Apple M-series Pro/Max MacBooks
- **The IT Pro's Choice**: Our digital display cables are rigorously lab-tested for signal integrity, durability, and compatibility across HDMI, DisplayPort, USB-C, and legacy interfaces; Backed by free lifetime 24/5 multi-lingual technical assistance

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### Hardware

|                           |          |
|---------------------------|----------|
| Warranty                  | Lifetime |
| Active or Passive Adapter | Passive  |
| Connector Plating         | Nickel   |

|                       |                                |
|-----------------------|--------------------------------|
| Cable Jacket Material | TPE - Thermoplastic Elastomers |
| Cable Shield Material | Aluminum-Mylar Foil with Braid |
| Fire Rating           | VW-1                           |
| Industry Standards    | DisplayPort 2.1                |

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## Performance

|                             |                                                                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Revision              | DisplayPort 2.1                                                                                                                                                                                                                              |
| Maximum Data Transfer Rate  | 80Gbps                                                                                                                                                                                                                                       |
| Maximum Digital Resolutions | Uncompressed (8-bit 4:4:4)<br>Up to 10K 60Hz / 8K 60Hz / 5K 144Hz / 4K 240Hz<br>Uncompressed (10-bit 4:4:4)<br>Up to 10K 30Hz / 8K 60Hz / 5K 144Hz / 4K 240Hz<br>With DSC 1.2a , Up to 16K 60Hz / 10K 144Hz / 8K 240Hz / 5K 240Hz / 4K 240Hz |
| Audio Specifications        | DisplayPort - 32 Channel Audio                                                                                                                                                                                                               |

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## Connector(s)

|             |                 |
|-------------|-----------------|
| Connector A | 1 - DisplayPort |
| Connector B | 1 - DisplayPort |

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## Environmental

|                       |                           |
|-----------------------|---------------------------|
| Operating Temperature | 0C to 45C (32F to 113F)   |
| Storage Temperature   | -20C to 70C (-4F to 158F) |
| Humidity              | 10%~85% RH                |

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## Physical Characteristics

|                 |              |
|-----------------|--------------|
| Color           | Black        |
| Connector Style | Straight     |
| Material        | ABS          |
| Cable Length    | 6.6 ft [2 m] |

|                   |                    |
|-------------------|--------------------|
| Cable OD          | 0.3 in [8.2 mm]    |
| Product Length    | 79.6 in [202.2 cm] |
| Product Width     | 0.9 in [2.2 cm]    |
| Product Height    | 0.5 in [13.4 mm]   |
| Weight of Product | 7.9 oz [224 g]     |

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**Packaging Information**

|                           |                  |
|---------------------------|------------------|
| Package Length            | 8.0 in [20.2 cm] |
| Package Width             | 6.8 in [17.2 cm] |
| Package Height            | 1.5 in [3.8 cm]  |
| Shipping (Package) Weight | 9.6 oz [272.0 g] |

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**What's in the Box**

|                     |                              |
|---------------------|------------------------------|
| Included in Package | 1 - 2m DisplayPort 2.1 Cable |
|---------------------|------------------------------|

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*\*Product appearance and specifications are subject to change without notice.*