1m 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-1M-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

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
Performance		
	Video Revision	DisplayPort 2.1
	Maximum Data Transfer Rate	80Gbps
	Maximum Digital Resolutions	Uncompressed (8-bit 4:4:4) Up to 10K 60Hz / 8K 60Hz / 5K 144Hz / 4K 240Hz Uncompressed (10-bit 4:4:4) Up to 10K 30Hz / 8K 60Hz / 5K 144Hz / 4K 240Hz With DSC 1.2a , Up to 16K 60Hz / 10K 144Hz / 8K 240Hz / 5K 240Hz / 4K 240Hz
	Audio Specifications	DisplayPort - 32 Channel Audio
Connector(s)		
	Connector A	1 - DisplayPort
	Connector B	1 - DisplayPort
Environmental		
	Operating Temperature	0C to 45C (32F to 113F)
	Storage Temperature	-20C to 70C (-4F to 158F)
	Humidity	10%~85% RH
Physical Characteristics		
	Color	Black
	Connector Style	Straight
	Material	ABS
	Cable Length	3.3 ft [1 m]

	Cable OD	0.2 in [6.2 mm]
	Product Length	40.2 in [102.2 cm]
	Product Width	0.9 in [2.2 cm]
	Product Height	0.5 in [13.4 mm]
	Weight of Product	2.5 oz [72 g]
Packaging Information		
	Package Length	6.7 in [17.0 cm]
	Package Width	5.6 in [14.2 cm]
	Package Height	1.2 in [3.0 cm]
	Shipping (Package) Weight	4.7 oz [132.0 g]
What's in the Box		
	Included in Package	1 - 1m DisplayPort 2.1 Cable
Warranty Information		
	Warranty	2 Years

Product appearance and specifications are subject to change without notice.