

DisplayPort 1.4V Active Optical Cable (AOC)

PART NUMBER: **AT1AC11**



Features

8K DisplayPort Cable Gets Your Gaming, Home Theater or Digital Signage Setup 8K-Ready

This DisplayPort fiber active optic cable (M/M) securely connects DisplayPort-enabled source and display devices compatible with 8K audio/video signals. Backward compatible with all your existing DisplayPort devices, including Blu-ray players, game consoles and 4K televisions, the AT1AC11 is ideal for future-proofing your high-definition or UHD A/V application in anticipation of an 8K upgrade.

Fiber Optic Cabling Allows 8K Transmissions Over Longer Distances

The AT1AC11 supports DisplayPort 1.4 bandwidths of 32.4 Gbps, allowing upto 8K@60 Hz resolutions. Because the cable uses optical fiber instead of copper, it can transmit longer distances with no latency or loss. It also is largely immune to EMI/RFI line noise that can interfere with your audio/video signal and disrupt the performance of your connected equipment.

Enjoy the Clarity of 8K/4K Video with HDR

The DisplayPort cable supports 8K UHD resolutions up to 7680 x 4320 at 60 Hz, as well as HDR video, providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks. HDCP 2.2 and 1.4 compliance allow you to stream 4K Amazon and Netflix content with no complications.

The cable is backward compatible with 4K/120&60Hz and 1080p/60Hz equipment.

Advanced Fiber Cable Is Easier to Install than Copper

Because the fiber cable is slimmer and more flexible than standard copper cables, the AT1AC11 is easier to install around corners and in hard-to-reach spaces behind equipment. It draws power from the connected device, so no external power supply is needed to transmit the audio/video signal across the longer distances unique to fiber optic cabling. **Note:** the cable must be installed in the correct direction to function properly, so please check the Source and Display labels on the connectors before installation.

Invest in Quality Construction for Reliable Performance

You're expecting this 8K cable to last a long time, which is why it has been constructed with high-quality materials. The PVC jacket making it suitable for in-wall cable installation in residential or commercial settings. Contacts are gold-plated to provide maximum conductivity and minimum data loss to guarantee a clear transmission free of interference.

Highlights

- Supports UHD resolutions up to 8K@60Hz and 4K@120Hz/60Hz for heightened video quality
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Complies with HDCP 2.2 and 1.4 standards to display up-to-date 8K video content
- PVC cable jacket meets required standards for commercial in-wall installation
- Draws power from connected device to transmit 8K signal over long distances

Applications

- Watch 8K or 4K video from a compatible Blu-ray player, game console, laptop or tablet on a compatible television, monitor or projector
- Connect a Mac or Windows laptop to a conference table's A/V box to give a video presentation on a large screen
- Send 8K or 4K video content via in-wall cable setups to digital signs or point-of-sale displays
- Connect a security camera or other A/V surveillance equipment to a central monitor

System Requirements

Both source and display devices must be compatible with 8K and 4K standards to watch 8K and 4K video

Specifications

OVERVIEW	
Part Number	AT1AC11
Product Type	Fiber Active Optical Cable (AOC)
Technology	DisplayPort 1.4V
VIDEO	
Video Input	DISPLAYPORT (MALE)
Video Output	DISPLAYPORT (MALE)
Max Supported Video Resolution	7680 x 4320 (8K) @ 60Hz
Compatible Video resolutions	7680 x 4320 (8K@60Hz&30Hz), 3840 x 2160 (4K@120Hz&60Hz), 1920 x 1080 (1080p@60Hz)
Connector Plating	Gold Plating
Connector Style	Straight
Latching or Gripping Connector	Yes
Inner Material	Multimode OM3 Fibers + 24AWG Tinned Copper Wires
Cable Jacket Colour	Black
Cable Jacket Material	PVC
Cable Outer Diameter (OD)	4.8mm
Minimum Bend Radius	48mm
EMI/RFI Line Noise Protection	Yes
HDCP Specification	HDCP 1.4 & 2.2
Driver Required	No
Signal Transmission	Unidirectional
Operating Temperature Range	32° to 113°F (0° to 45°C)
Storage Temperature Range	-40° to 158°F (-40° to 70°C)
Operating Humidity Range	10% to 85% RH, Non-Condensing
Product Compliance	CE, FCC, RoHS