

VE781010

10M True 4K HDMI 2.0 Active Optical Cable (True 4K@10m)



ATEN VE781010 True 4K HDMI 2.0 Active Optical Cable utilizes AOC technology that enables conversion between input signals and optical signals for optimum high bandwidth data transmissions. The EMI-resistant optical cables come in 10m with full support of True 4K resolutions. It is fully compliant with HDCP 2.2 standards and meets HDMI 2.0 specifications including 3D, deep color, and data rates up to 18 Gbps. Supported Dolby True HD and DTS-HD Master Audio, the optical cables guarantee lossless audio signal transmissions. The VE781010 optical cable is an ideal solution for extending the reach of your digital signage in a wide range of settings, such as traffic stations, shopping centers, and hospital facilities.



Features

- Supports resolution up to True 4K (4096 x 2160 @ 60Hz 4:4:4)
- HDMI 2.0 (3D, Deep Color, True 4K); HDCP 2.2 compliant
- Extends True 4K signals up to 10m
- Reduced EMI and RFI for lower noise interference
- High data transfer rate of 18 Gbps
- Supports multi audio channel - Dolby TrueHD and DTS-HD Master Audio
- Robust cable pulling strength (Max.10 kg) and compression load resistance (Max.50 kg)

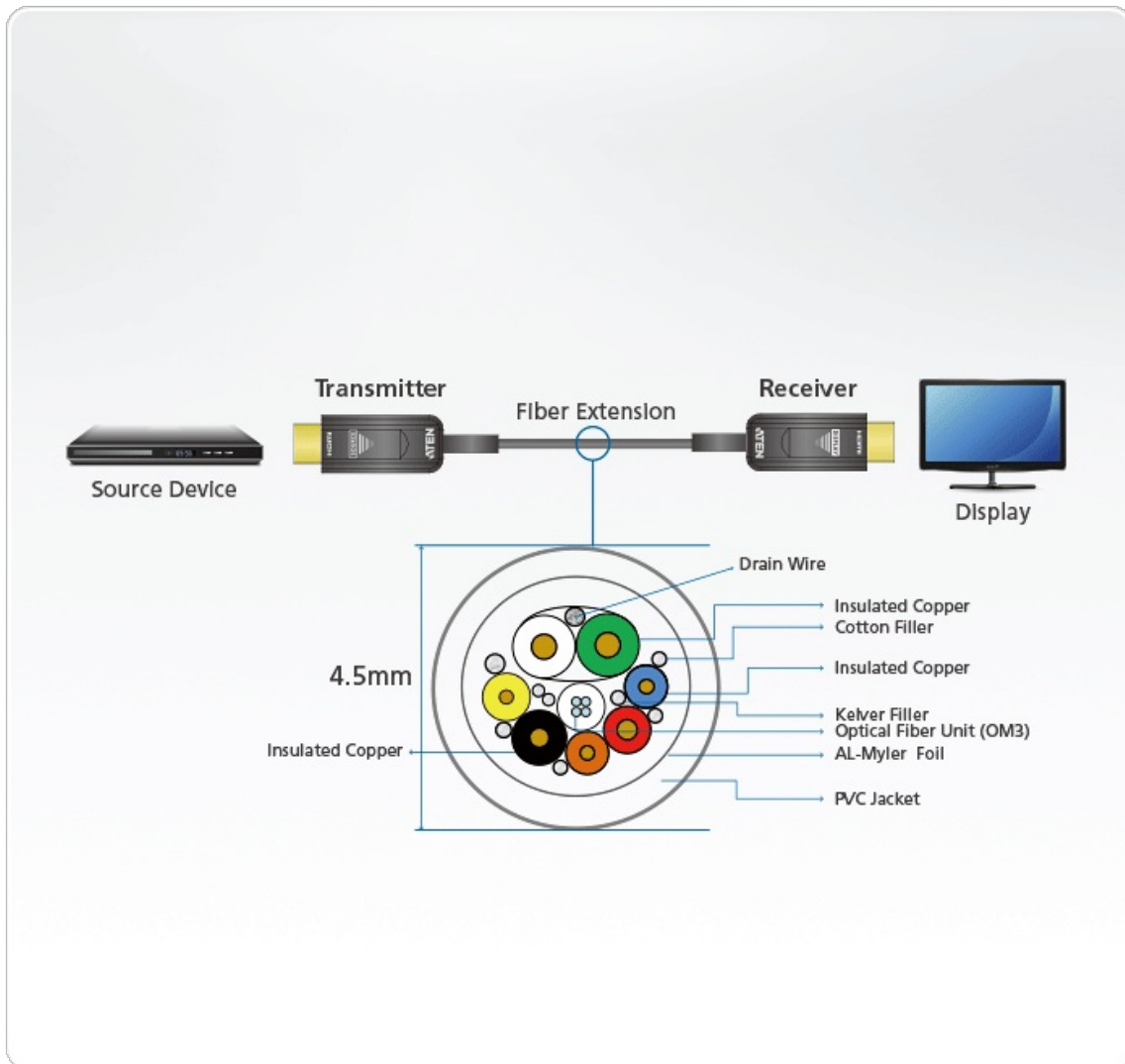
Specification

Certifications	
Certifications	Safety and Emission: CE / FCC / RoHS / REACH / UL VW-1 EMC Class-A / Class-B
Notification	Bend Radius: 6mm (Min.) Compression Load Resistance: Max. 50kg (500N) Cable Filler: Kevlar Cable Marking: ATEN INTERNATIONAL --- HIGH SPEED HDMI HYBRID ACTIVE OPTICAL CABLE 4K@60Hz 18Gbps -- PVC CE EU RoHS EC ZONE/DEVICE * NO external power required
Jacketed	

Material	PVC (85P) Color: Black
Conductor	
Construction	7 x Tinned Copper wire strand (30 AWG *2 / 28AWG *3 / 26 AWG *1 / 24 AWG *1) 4 x OM3 Optical Fiber (50/125um)
Cable Length	10M / 32.8ft
Communication	
Signals	TMDS / HDCP 2.2 / EDID / CEC
Audio	
Input	PCM 8-channel, Dolby Digital True HD, DTS-HD Master Audio
Output	PCM 8-channel, Dolby Digital True HD, DTS-HD Master Audio
Cable Type	Hybrid type with optical fiber (OM3) and copper wire
Video Input	
Interfaces	1 x HDMI 19-pin Type-A Male
Video Output	
Interfaces	1 x HDMI 19-pin Type-A Male
Video	
Max. Data Rate	18 Gbps (6 Gbps per Channel)
Max. Pixel Clock	600 MHz (Max.)
Compliance	HDMI 2.0 (3D, Deep Color, 4K, HDR, ARC) HDCP 2.2
Max. Resolutions / Distance	Up to 4096 x 2160 / 3840 x 2160 @60Hz (4:4:4) / 10M *Color sub-sampling: 4:4:4 / 4:2:2 / 4:2:0 *Color Depth: 30 / 36 / 48 bit
Power Consumption	DC5.0V:0.25W:0.05ABTU
Environmental	
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	0 - 85% RH, Non-Condensing
Physical Properties	
Housing	Connector Case: Zinc Alloy

Weight	0.35 kg (0.77 lb)
Cable Outer Dimension	4.5mm (± 0.2mm)
Conductor Gauge	7 x Tinned Copper wire strand (30 AWG *2 / 28AWG *3 / 26 AWG *1 / 24 AWG *1)
Conductor Material	Tinned Copper
Carton Lot	5 pcs

Diagram



ATEN International Co., Ltd.

3F, No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
 www.aten.com E-mail: marketing@aten.com



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