Simply Better Connections

VE7833

30M True 4K HDMI Active Optical Cable (True 4K@30m)

ATEN VE7833 optical cable utilizes AOC technology that enables conversion between input signals and optical signals for optimum high bandwidth data transmissions. The EMI-resistant optical cable is available in 30 m with full support of True 4K resolutions. It is fully compliant with HDCP 2.2 standards and meets HDMI specifications including 3D, deep color, and data rates up to 18 Gbps. Supported Dolby True HD and DTS-HD Master Audio, the optical cable guarantees lossless audio signal transmissions.

Engineered to meet the latest trend of integrator-friendly design, the VE7833 optical cable features pluggable gender and gold-plated connectors. Therefore, the 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

- HDMI (3D, Deep Color, True 4K); HDCP 2.2 compliant
- Extends True 4K signals (4096 x 2160 @ 60Hz 4:4:4) up to 30 m
- Supports HDR
- Reduced EMI and RFI for lower noise interference
- 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)
- Additional power source is available via Micro USB cable for better compatibility
- Gold-plated connectors for reliable transmissions
- Compliant with International Flame Retardant Standards : UL CMP-OF (Plenum)
- Pluggable gender for easy installation
- Plug-and-play

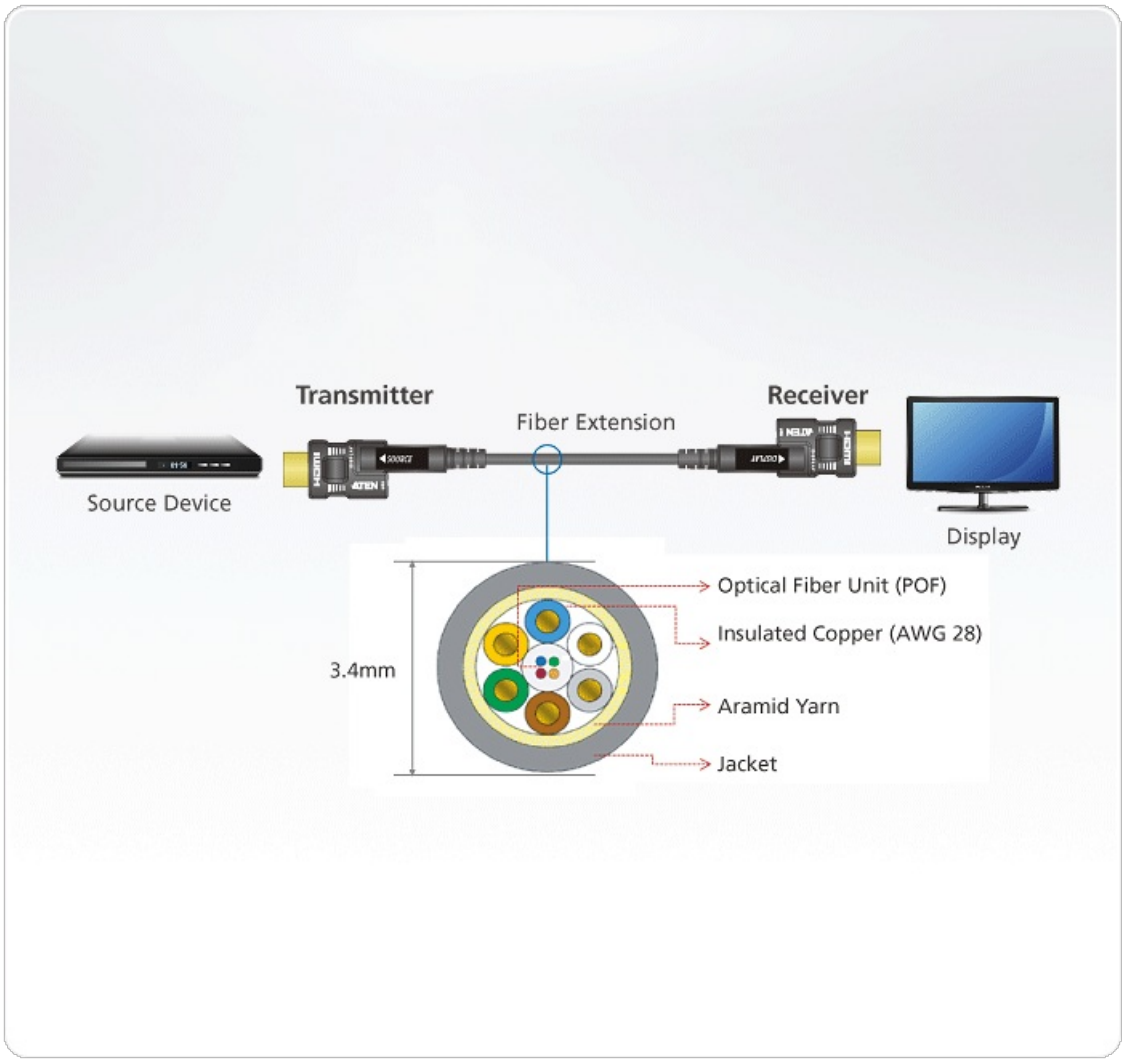
Specifications

Certifications	
Certifications	Safety and Emission: CE / FCC / RoHS2 / UL CMP-OF
Notification	Bend Radius: 6mm (Min.) Connector Pull Strength: Max. 10kg (100N) Compression Load Resistance: Max. 50kg (500N) Reduced EMI & RFI

Jacketed	
Material	UL Plenum (CMP-OF)
Conductor	
Construction	6 x Insulated Copper wire (28 AWG) 4 x Fiber
Cable Length	30M / 98ft
Communication	
Signals	TMDS / HDCP 2.2 / EDID / CEC
Power (Optional)	Optional power source: Micro USB to USB cable (45cm) 5V, 0.148A
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	Cable Type: Hybrid optical with fiber and copper wire HDMI Standards: High Speed HDMI Cable
Video Input	
Interfaces	1 x HDMI 19-pin Type-A Male (gold-plated) pluggable (Black) 1 x HDMI Type-D Male (Black)
Video Output	
Interfaces	1 x HDMI 19-pin Type-A Male (gold-plated) pluggable (Black) 1 x HDMI Type-D Male (Black)
Video	
Max. Data Rate	18 Gbps (6 Gbps per Channel)
Max. Pixel Clock	600 MHz (Max.)
Compliance	HDMI (3D, Deep Color, 4K, HDR) HDCP 2.2 Color sub-sampling: 4:4:4 / 4:2:2 / 4:2:0 Color Depth: 30 / 36 / 48 bit
Max. Resolutions / Distance	Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) / 30m
Power Consumption	DC5.3V:0.63W:2.15BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
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: ABS (Acrylonitrile Butadiene Styrene)
Weight	0.50 kg (1.1 lb)
Cable Outer Dimension	Cable Outer Diameter: 3.4mm (± 0.2mm)
Conductor Gauge	Copper wire (28 AWG)
Conductor Material	Copper
Unit weight	0.5 kg / 1.1 lb
Carton Lot	10 pcs

Diagram



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