

## 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

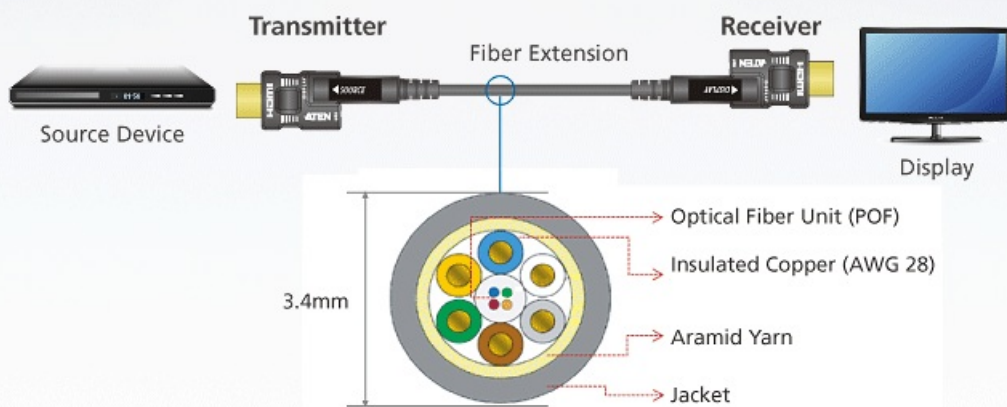
### Specifications

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	TMD5 / 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: <ul style="list-style-type: none"> <li>● The measurement in Watts indicates the typical power consumption of the device with no external loading.</li> <li>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.</li> </ul>
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





Simply Better Connections

***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



© Copyright 2015 ATEN® International Co., Ltd.  
ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.  
All rights reserved. All other trademarks are the property of their  
respective owners.