

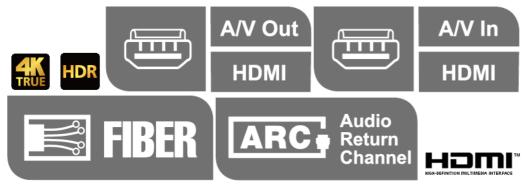
VE7833A

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



ATEN VE7833A optical cables utilize AOC technology that enables conversion between input signals and output signals for optimum high bandwidth data transmissions. The EMI-resistant optical cables are available in 30 m with full support of True 4K resolutions. They are fully compliant with HDCP 2.2 standards and meet HDMI specifications including 3D, deep color, and data rates up to 18 Gbps. Supporting Dolby True HD and DTS-HD Master Audio, these optical cables guarantee lossless audio signal transmissions. This cable series comes with an HDMI Ethernet Channel (HEC) to combine audio, video, and data streams into a cable, enabling Internet connection sharing and IP-based applications over HDMI. Plus, it supports Audio Return Channel (ARC), allowing audio signal to travel to and from the TV and audio system, thereby reducing the number of cables between the television and external Home Theatre System or soundbar.

Engineered to meet the latest trend of integrator-friendly design, the VE7833A optical cables feature pluggable gender and gold-plated connectors. Therefore, the cables are ideal solutions for extending the reach of digital signages in a wide range of settings, such as traffic stations, shopping centers, and hospital facilities.



Features

- HDMI (3D, Deep Color, 4K, HDR, HEC, ARC); HDCP 2.2 compliant
- Extends True 4K signals 4096 x 2160 @ 60 Hz (4:4:4) up to 30 m
- Supports HDR
- Supports HDMI Ethernet Channel (HEC) combines audio, video, and data streams into a cable to simplify the set-up Supports Audio Return Channel (ARC) connects TV and audio system, eliminating the need for an additional cable

- 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

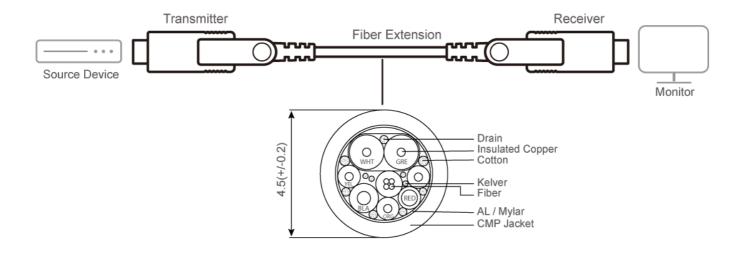
Cable Length	30M / 98.4 ft
Cable Type	Cable Type: Hybrid cable with optical fiber and copper wire HDMI Standards: High Speed HDMI Cable
Video Input	



	Interfaces	1 x HDMI 19-pin Type-A Male (gold-plated) pluggable connector 1 x HDMI Type-D Male	
Tame	Video Output		
Max. Dais Rate 16 Cape (6 Cape per Charme) Max. Pixel Clock 600 MHz (Max.) Compliance HDM (8D, Deep Coor, 4K, HDR, HEC, ARC) (1900 Per Charme) Max. Resolution / Distance Up to 402 Per 22 August (1900 Per Chart, 41 20) Max. Resolution / Distance Up to 402 Per 22 August (1900 Per Chart, 41 20) Max. Resolution / Distance TMDS / HDCP 22 / EDID / CEC Audio — Por Max (1900 Per Charme), Doby Digital Tron HD, DTS HD Master Audio Output PCMB Schemal, Doby Digital Tron HD, DTS HD Master Audio Output PCMB Schemal, Doby Digital Tron HD, DTS HD Master Audio Output T x Timed Copper Wise (20 AWG '2 / 28 AWG '3 / 28 AWG '1 / 24 AWG '1) Jankeded T x Timed Copper Wise (20 AWG '2 / 28 AWG '3 / 28 AWG '1 / 24 AWG '1) Askeded Up Penum (CMP OF) Certifications Safety and Emission: CE / PCG / ReHS2 / UL CMP-OF Perver Consumption Safety and Emission: CE / PCG / ReHS2 / UL CMP-OF Power (Optional) Optional power source More USB to USB so USB safe in 1000m) Notice and the resolution and in 18 Thyl Globack this power consumption of the device within the full by Globack within t	Interfaces		
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Max Resolutions / Distance MDMI (26), Deep Calor. 4K, HDR, HEC, ARC) HOC'S 22 anaming. 44.4 i. 42.2 i. 42.0	Max. Data Rate	18 Gbps (6 Gbps per Channel)	
HDCP 22 Cofe to Destin 20 / 58 / 48 / 14 / 22 / 4.20 Cofe to Destin 20 / 58 / 48 / 14 / 14 / 22 / 4.20 Cofe to Destin 20 / 58 / 48 / 14 / 14 / 22 / 4.20 Cofe Destin 20 / 58 / 48 / 14 / 22 / 4.20 Cofe Destin 20 / 58 / 48 / 14 / 22 / 4.20 Cofe Destin 20 / 58 / 48 / 14 / 22 / 4.20 Cofe Destin 20 / 58 / 48 / 14 / 22 / 4.20 Cofe Destin 20 / 58 / 48 / 14 / 22 / 4.20 Cofe Destination 20 Communication Signals	Max. Pixel Clock	600 MHz (Max.)	
Signals TMDS / HDCP 2.2 / EDID / CEC Audio Iriput PCM 8-channel, Doby Digital True HD, DTS-HD Master Audio Output PCM 8-channel, Doby Digital True HD, DTS-HD Master Audio Conductor Conductor Construction 7 × Tinned Copper Were (30 AWG "2.2 8AWG "3.2 8 AWG "1.2 4 AWG "1) 4 × CM3 Coptical Fiber (80125um) Jacketed Material UL Plenum (CMP-OF) Certifications Safety and Emission: CE / FCC / RoHS2 / UL CMP-OF Power Consumption DCS-V 2.5 8W1 BTU h Note: • The measurement in Watts indicates the typical power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the power consumption of the device with no external brading. • The measurement in BTU h indicates the typical power consumption of the device with no external	Compliance	HDCP 2.2 Color sub-sampling: 4:4:4 / 4:2:2 / 4:2:0	
Signale TMDS / HDCP 2.7 EDID / CEC	Max. Resolutions / Distance	Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4) / 30M	
Input PCM 8-channel, Doby Digital True HD, DTS-HD Master Audio Output PCM 8-channel, Doby Digital True HD, DTS-HD Master Audio Conductor Construction 7 x Tinned Copper Wire (30 AWG "2 / 28AWG "3 / 26 AWG "1 / 24 AWG "1) Jacketed Material UL Penum (CMP-OF) Certifications Certifications Safety and Emission: CE / FCC / RoHS2 / UL CMP OF Power Consumption DCS-V0.25W1-18Tu/h Nute • The measurement in BTU/h indicates the hybical power consumption of the device with no external loading. • The measurement in BTU/h indicates the hybical power consumption of the device with no external loading. • The measurement in BTU/h indicates the hybical power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consump	Communication		
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Conductor Construction 7 × Tinned Copper Wire (30 AWG *2 / 28AWG *3 / 26 AWG *1 / 24 AWG *1) 4 × CM3 Optical Fiber (50 / 125 um) Jacketed Material UL Plenum (CMP-OF) Certifications Certifications Safety and Emission: CE / FCC / RoHS2 / UL CMP-OF Power Consumption DCSV: 0.25W: 1BTU/h Note: The measurement in Walts indicates the typical power consumption of the device when it is fully loaded. Power (Optional) Optional power source: Micro USB to USB cable (100cm) SV, 250mW (max) Compression Load Resistance: Max. 50kg (500N) Shielding & Filling: AL Mylar shielding / Keviar Filling Environmental Coperating Temperature 0°C to 50°C (32°F to 122°F) Storage Temperature 0°C to 50°C (32°F to 158°F) Humidity 0 × 85% RH, Non Condensing Physical Properties Housing Connector Case: Zinc-Alloy Weight 0 × 80 kg (1.76 lb) Conductor Material Tinned Copper Tinned Copper	Input	PCM 8-channel, Dolby Digital True HD, DTS-HD Master Audio	
Construction 7 × Tinned Copper Wire (30 AWG *2 / 28AWG *3 / 26 AWG *1 / 24 AWG *1) Jacksted Material UL Plenum (CMP-OF) Certifications Certifications Safety and Emission: CE / FCC / RoHS2 / UL CMP-OF Power Consumption DCSV-0.25W:1BTUIn Note: *The measurement in Watts indicates the typical power consumption of the device with no external loading. *The measurement in BTUIn indicates the power consumption of the device with no external loading. *Power (Optional) Conjunction Power source: Minro USB to USB cable (100cm) Sty, 250mW (max) Bend Radius: 250mg (Minn.) Connector Pull Strength: Max. 10kg (100N) Compression Load Resistance: Max. 50kg (500N) Shielding & Filling: AL. Mylar shielding / Kevlar Filling Environmental **Coperating Temperature** O**C to 50**C (32**F to 122**F) Storage Temperature O**C to 50**C (4**F to 158**F) Humidity 0 - 85% RH. Non-Condensing Physical Properties Housing Connector Case: Zinc-Alloy Weight 0.80 kg (1.76 lb) Cable Outer Dimension Cable Outer Dimension Cable Outer Dimension Tinned Copper Wire (30:28:26:24 AWG) Conductor Material Tinned Copper **Tinned Copper** **Tinned Copper** Tinned Copper** **Tinned Coppe	Output	PCM 8-channel, Dolby Digital True HD, DTS-HD Master Audio	
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Certifications Safety and Emission: CE / FCC / RoHS2 / UL CMP-OF Power Consumption DCSV:0.25W:1BTU/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 with no external loading. • The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. Power (Optional) Optional power source: Micro USB to USB cable (100cm) 5V; 250mW (max) Connector Pull Strength: Max. 10kg (100N) Connector Pull Strength: Max. 10kg (100N) Shielding & Filling: AL Mylar shielding / Kovlar Filling Environmental Operating Temperature 0°C to 50°C (32°F to 122°F) Storage Temperature 0°C to 50°C (45°F to 158°F) Humidity 0 - 85% RH, Non-Condensing Physical Properties Housing Connector Case: Zinc-Alloy Weight 0.80 kg (1.76 lb) Cable Outer Dimension Cable Outer Dimension Cable Outer Dimension Tinned Copper Tinned Copper Tinned Copper Tinned Copper	Jacketed		
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Cable Outer Dimension Cable Outer Diameter: 4.5mm (± 0.2mm) Conductor Gauge Tinned Copper Wire (30/28/26/24 AWG) Conductor Material Tinned Copper	Housing	Connector Case: Zinc-Alloy	
Conductor Gauge Tinned Copper Wire (30/28/26/24 AWG) Conductor Material Tinned Copper	Weight	0.80 kg (1.76 lb)	
Conductor Material Tinned Copper	Cable Outer Dimension	Cable Outer Diameter: 4.5mm (± 0.2mm)	
	Conductor Gauge	Tinned Copper Wire (30/28/26/24 AWG)	
Carton Lot 10 pcs	Conductor Material	Tinned Copper	
	Carton Lot	10 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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