

VE875

100m 4K HDMI Active Optical Cable



The VE875 HDMI Active Optical Cable utilizes ATEN's unique AOC+™ technology that enables conversion between input signals and optical signals for optimum high bandwidth data transmissions. This EMI-resistant optical cable comes in 100 m cable lengths with full support of 1080p resolutions that can withstand extreme conditions while improving speed and distance. It's fully compliant with HDMI standards and provides support for high-speed transmission, 3D and 4K x 2K resolutions. This cable is the ideal solution for extending the reach of your digital signage in various settings, such as in large shopping malls and hospital facilities.



Features

- Converts electrical data signals to optical signals
- HDMI (3D, 4kx2k, Deep Color); HDCP Compatible
- Superior video quality – up to 4096 x 2160
- RF/EMI free for clear signal transmission
- Easy to install with optical fiber cable
- Powered remote unit via USB Cable
- High data transfer rates of 10.2 Gbps
- Plug-and-play – no software required

Specification

HDMI Active Optical Cable, 100m

Video Input	
Interfaces	1 x HDMI Type A Male (Black)
Impedance	100 Ω
Video Output	
Interfaces	1 x HDMI Type A Male (Black)

Impedance	100 Ω
Video	
Max. Data Rate	10.2 Gbps
Max. Pixel Clock	340 MHz
Compliance	HDMI (3D, Deep Color, 4K) HDCP Compatible Consumer Electronics Control (CEC)
Max. Resolutions / Distance	Up to 4K@100m *4K supported: 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Audio	
Input	1 x HDMI Type A Male (Black)
Output	1 x HDMI Type A Male (Black)
Connectors	
Power	1 x DC Jack
Power Consumption	5 VDC, 1W
Environmental	
Operating Temperature	0-50°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	TBD
Carton Lot	5 pcs
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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