

TECHNICAL SPECIFICATION



OVERVIEW

High Speed HDMI Active Optical Cable (AOC) provides excellent connectivity solutions for distributing high definition audio and video data from Set-top box, DVD player, HD DVD player, Blu-ray player, and video game console like PlayStation 3, Xbox 360 to large display, including Home Theater Projector and HDTV. With this High Speed HDMI AOC, users can take advantage of the latest advances in HDMI technology including 3D, 4K x 2K resolution and deep color as well as 1080p full HD.

POF(Plastic Optical Fiber) cable applied to High Speed HDMI AOC is thinner, lighter, and more flexible than typical AOC as well as copper cable. It also makes it possible to send high definition data to further distances than one without signal attenuation and makes it easier to install in tight in-wall spaces. Like this, plastic optical fiber cable delivers several advantages which reduce the risk of EMI and RFI so the performance is very stable when it is used in typically high interference environments such as data centers, operating rooms or manufacturing facilities, where high resolution and consistent display are required.

The UHO Series of High Speed HDMI AOC is another product the new technology has applied to. It is a product that minimizes the consumed electricity when transmitting a HDMI signal, thus only utilizing Tx and Rx Plug to transmit High Speed HDMI instead of utilizing the External USB Power used in the conventional AOC.



FEATURES

- High Speed HDMI Active Optical Cable
- Supports a full 1080p, 4K@60(Chroma sampling 4:2:0 only) 3D, deep color x.v.ColorTM,
- Dolby True HD, DTS-HD Master Audio,
- HDMI-CEC and HDCP
- Resistant to EMI/RFI
- Small and flexible cable eases to use
- Easy to install(Plug and Play)
- No external power needed
- (Supplied current from the source device within HDMI specification)
- 5mm minimum bend radius and of cable
- Selectable UL-Plenum cable / Non UL cable

Note: These cables are recommended for point-to-point application use. Please do not use with wall plate applications.

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SPECIFICATIONS

Parameter	Min.	Typ.	Max	Unit
ABSOLUTE MAXIMUM RATINGS				
Supply Voltage	-0.5		6	V
Storage Temperature	-20		70	°C
Relative Humidity	5		85	%
Electrostatic Discharge Immunity (Air: 8kV, Contact: 6kV)	B			Class
RECOMMENDED OPERATING CONDITIONS				
Supply Voltage*	4.8	5.0	5.3	V
Operating Temperature	0		50	°C
ELECTRICAL CHARACTERISTICS				
TMD5 Differential Input Voltage	400		1600	mV
Operating Current	35	40	47	mA
Power Consumption	0.06	0.07	0.08	W

* All power Supplied from HDMI port

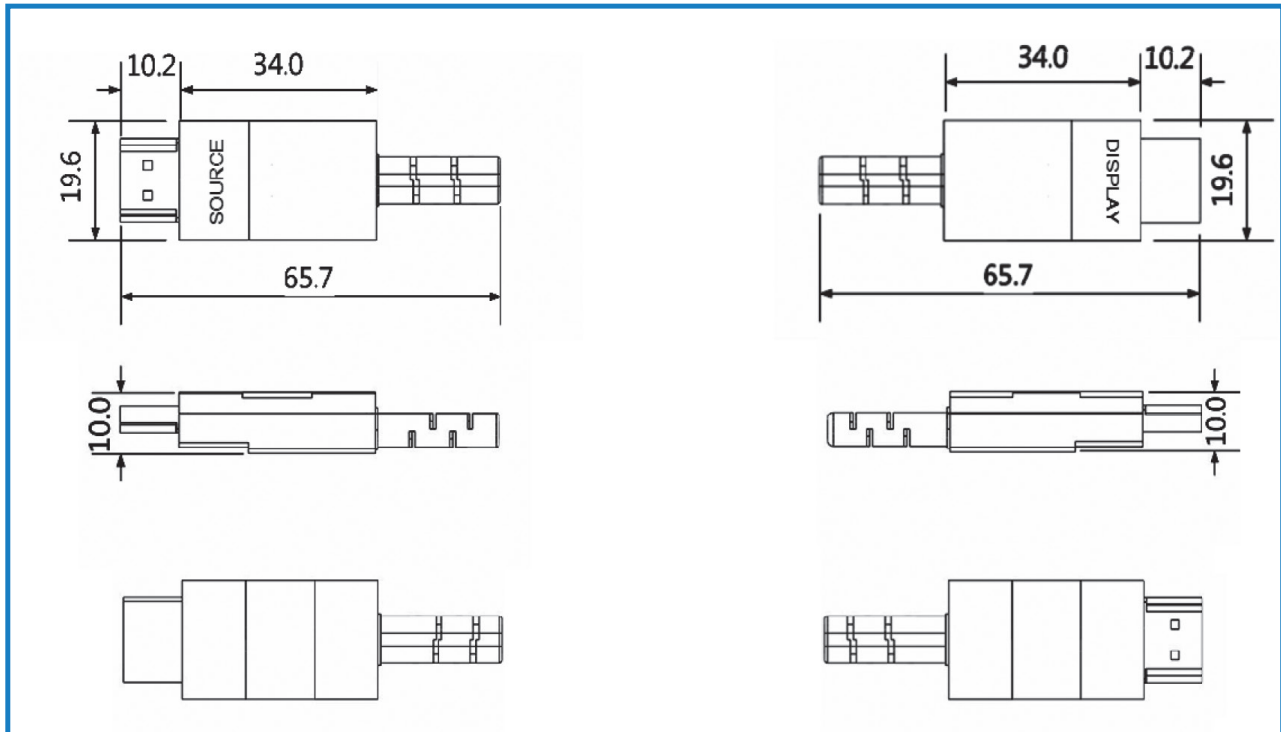
PHYSICAL CHARACTERISTICS

Parameter	Value	Unit
Cable Assembly		
Cable Type	Hybrid Cable Plastic Optical Fibers and Electrical Wires	
Cable Dimensions (W x H)	5.10 x 2.90	mm
Connector Pull Strength	10	Kg
Minimum Bend Radius	5	mm
Case Material	PC(Polycarbonate)	

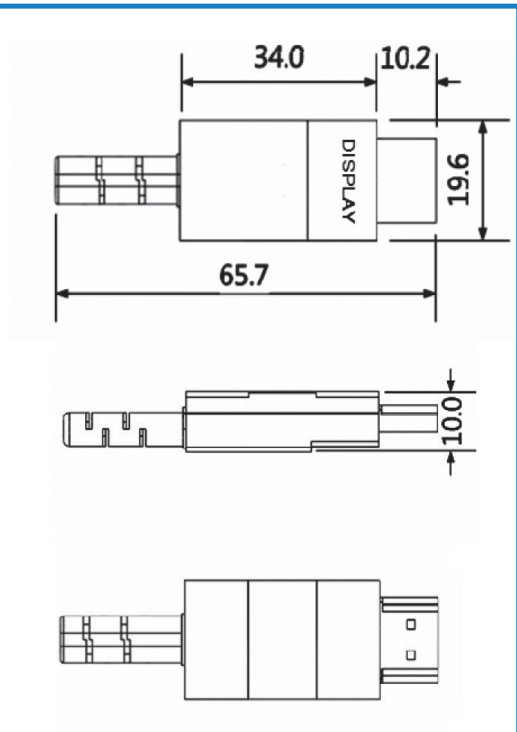
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PRODUCT DIMENSIONS

Transmitter Connector



Receiver Connector



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1. Plug in TX connector labeled SOURCE to HDMI port of source device like Blu-ray player.
2. Plug in RX connector labeled DISPLAY to HDMI port of display device like a monitor.
3. Follow the same connecting way for connecting a tablet, PC or other source device to a projector or other display.

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