



Features

- Support HDMI 2.0 / HDMI 4K (4Kx2K@60HZ) / HDCP 2.2
- Support Deep Color, 3D video
- Easy plug-and-play HDMI cable
- Bandwidth up to 18Gbps
- Length up to 100 meters
- No external power supply required
- High EMI and RFI resistance
- High quality connector: 19 pins HDMI male, golden plated

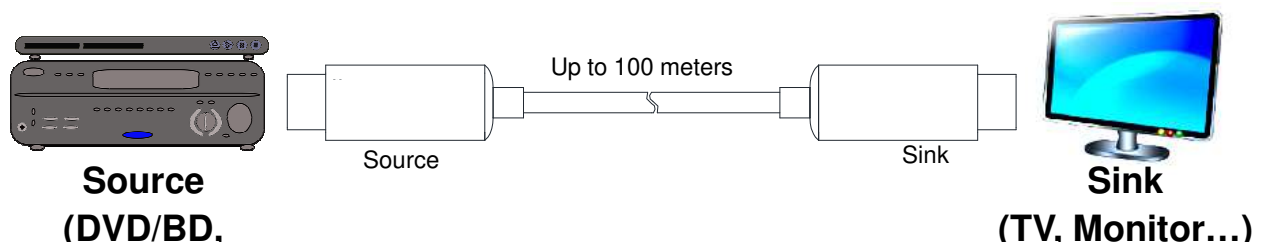
Applications

- Digital signage and TV wall
- Home theater
- High-Definition security cameras
- Projectors and displays for broadcasting area, medical imaging and auditorium

Description

APAC's HDMI 2.0 is hybrid active optical cable to extend the signal and audio transmission distance up to 100m. It supports 4K at 60fps format with superior image quality. Max bandwidth runs up to 18Gbps. This AOC is extremely easy to use for users with just plug-and-play to HDMI connector and very low power with no external power plug needed. This is a hybrid cable comprising glass fiber for the TMDS signals and copper wires for the low speed HDCP signals. It can be widely deployed in home theater, convention center, outdoor advertising or broadcasting, and so on, for high-definition video & audio display applications.

Installation





HDMI 2.0 Hybrid Active Optical Cable (AOC) Support HDMI 2.0 / HDMI 4K (4Kx2K@60HZ) / HDCP 2.2

Ordering information

Part Number	Description	Note
AH-UD-100-AOC	HDMI 2.0 AOC with 100M	
AH-UD-70-AOC	HDMI 2.0 AOC with 70M	
AH-UD-50-AOC	HDMI 2.0 AOC with 50M	
AH-UD-30-AOC	HDMI 2.0 AOC with 30M	
AH-UD-20-AOC	HDMI 2.0 AOC with 20M	
AH-UD-10-AOC	HDMI 2.0 AOC with 10M	

Absolute Maximum Rating

Parameter	Min.	Typ.	Max.	Unit	Note
Supply Voltage	4.5	5.0	5.5	V	
Storage Temperature	-20		80	°C	
Relative Humidity (Non-Condensing)	10		80	---	

Specification

Parameter	Min.	Typ.	Max.	Unit	Note
Signaling Bit Rate per Lane on D0, D1, D2	0.25		6.0	Gb/s	Per channel
Supply voltage	4.5	5	5.5	V	Note 1
Power Consumption			250	mW	
Cable diameter		5		mm	
Operating Temperature	-10		50	°C	
Storage Temperature	-20		80	°C	

Note:

1. This product is power by signal source (Ex: DVD player, PC....). External power source is not required.



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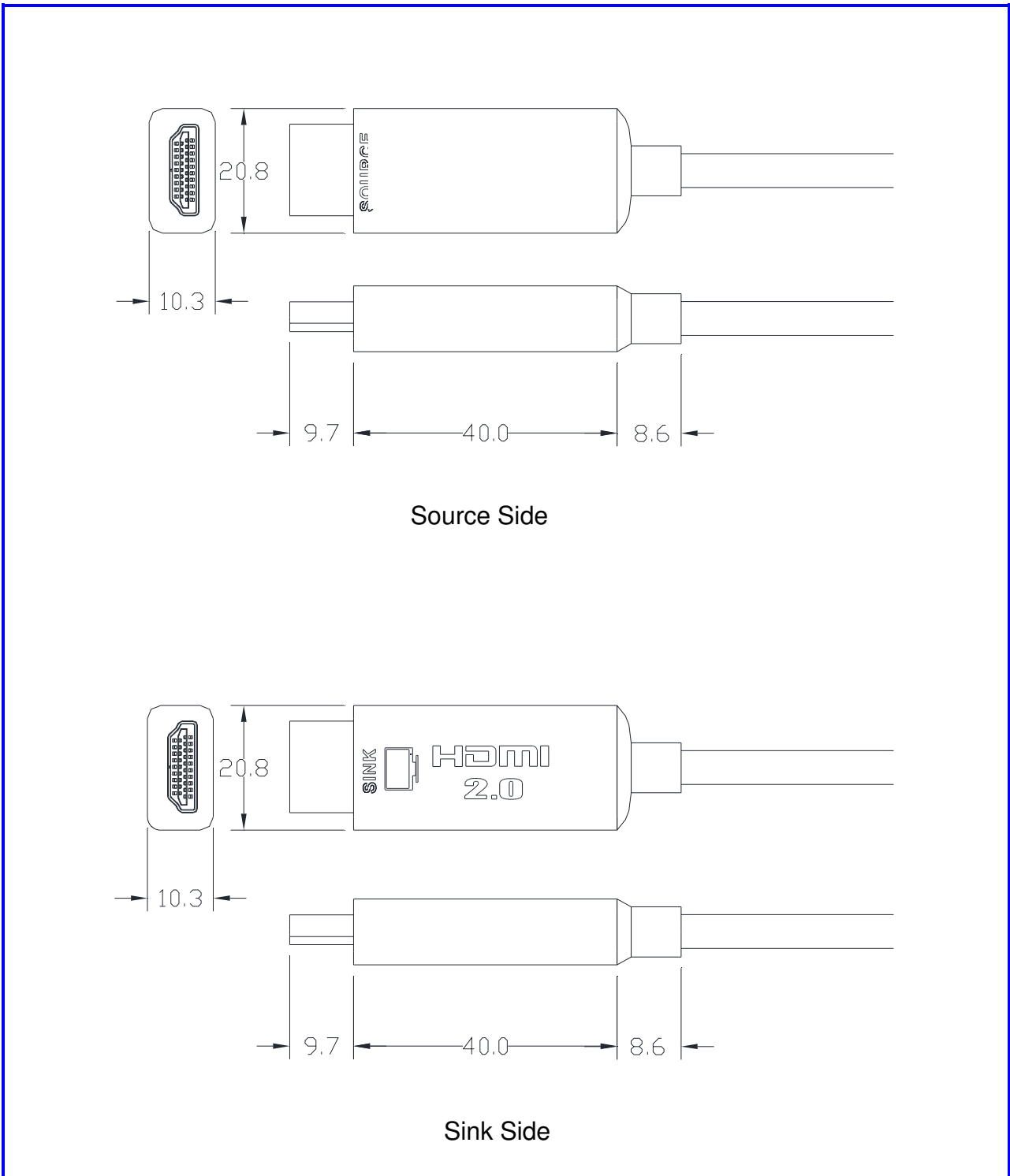
General Specification

Parameter	Specification	Note
HDMI Connector Type	19 ping HDMI type A male, golden plated	
Max. Bandwidth	18 Gbps	
Video Format	4Kx2K@60HZ, 4096 x 2160@60Hz 3480 x 2160@60Hz	Note 2
DDC Communication	Fully support bi-directional EDID and HDCP2.2 communication	
Hybrid Cable	OM3 50/125um multimode fiber and Copper Wire	
Max. Length	100 meters	
Bending Radius	20xD	Note 3
Certification	CE, FCC	

Note:

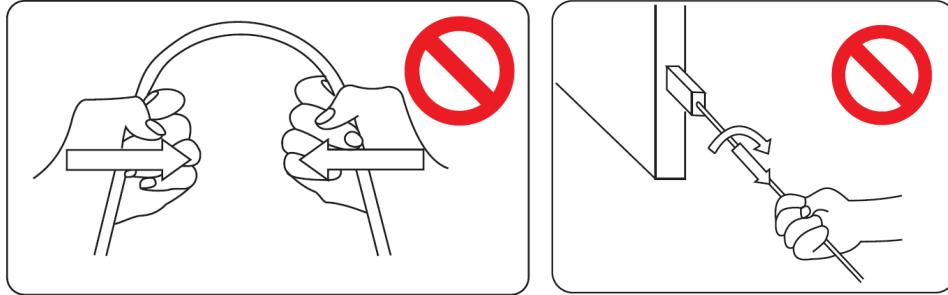
- Supported Resolution: 4K Ultra HD (60P, 8 bit 4:4:4 or 12bit 4:2:2), and backward compatible to 4K2K, 3D Full HD 1920 x 1080, 1080p deep color, 1080i, 720p, and 480p.
- Cable diameter D=5.6mm.

Dimensions (unit: mm)



Handling

1. Care should be taken to restrict exposure to the conditions defined in the Absolute Maximum Ratings.
2. Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.



3. The cable must not be subject to extremely bending during installation or while in operation. If you bend the cable at a radius less than the cable minimum bend radius, the cable may get permanently damaged. (referring left picture)
4. Don't twist or pull by force ends of the cable. It may cause malfunction. (referring right picture)

Special Note

5. To keep system working properly, always connect the cable "Source" end toward A/V source devices such as DVD player...etc. and always connect the cable "Sink" end toward A/V sink devices such as TV...etc.
6. This cable doesn't support HEAC (HDMI Ethernet and Audio Return Channel).

Safety Regulation

CE and FCC approved.

