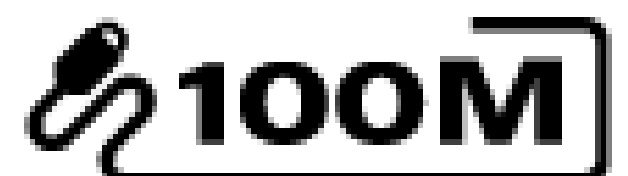


DisplayPort 1.4 8K Active Fiber Optical Cable

Long distance transmission, DP to DP AOC



- DisplayPort 1.4, 32Gbps, Active Optical Cable, DP to DP fixed connectors;
- Max. 100m/ 328ft long distance, 4K/30/60/120Hz or 8K/60Hz 4:4:4;
- External power supply optional, supports 3D, HDCP 2.2, EDID, HDR and CEC;
- Hot swappable, plug & play;
- Order Code: AOC-DP-Fxx




Long distance transmission

It supports 4K/30/60/120Hz or 8K/60Hz 4:4:4 up to 100 meters or 328 feet without any signal loss and keep 100% EMI-free.



32Gbps Ultra High Bandwidth

 With bandwidth up to 32Gbps



Plug and Play

It supports hot swappable, no any software or driver needed.



Save your labor cost

Thin, durable and pre-terminated standard DP connectors, which eliminate the need for time-consuming fiber terminations and the need for costly fiber optic tools. No additional extenders, baluns or amplifiers.



Thin construction

The sleek cable can be easily concealed or installed in the concealed locations, conduit, plenum spaces and cabling raceways.

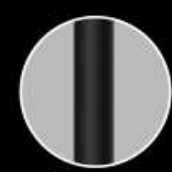


vs

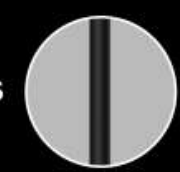


Typical Copper cable

Active Fiber Optical Cable



vs



Copper

AOC

Supports Stereo Audio

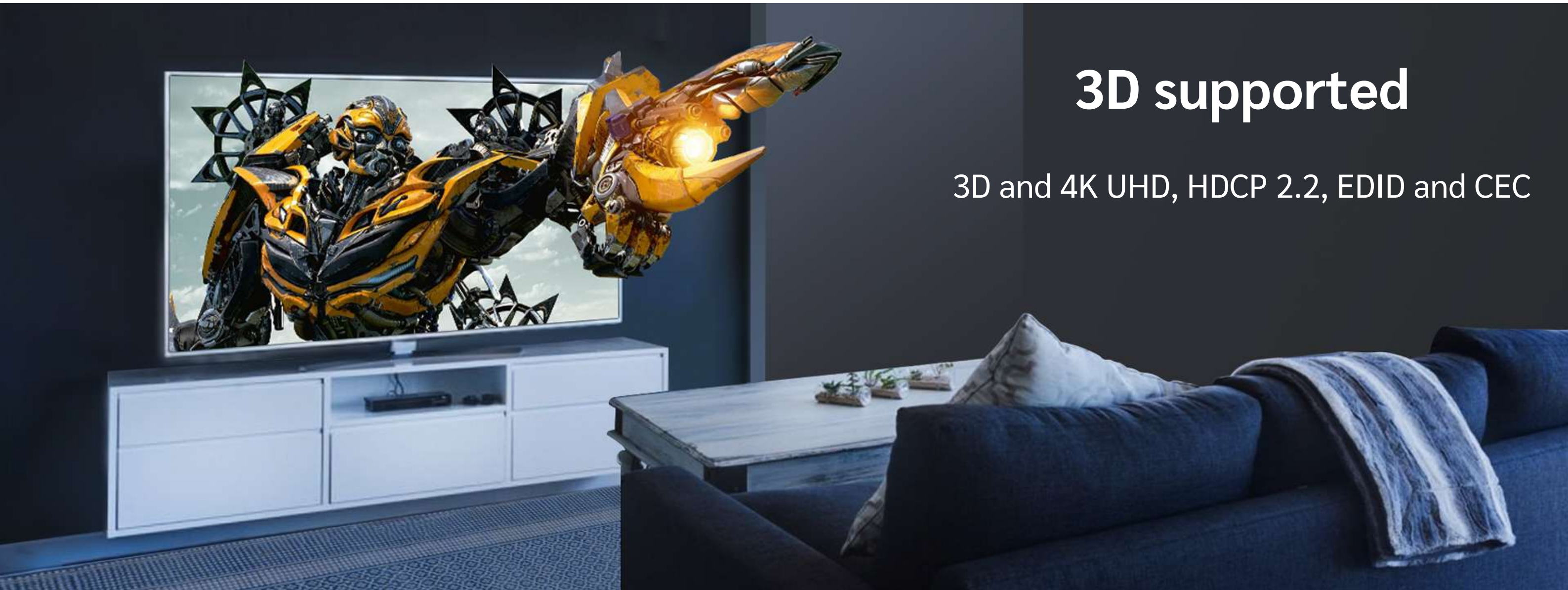
It supports PCM 8-channel, Dolby Digital True HD and DTS-HD Master Audio.



Lower consumption

100% EMI Free and max. 250mW lower consumption





3D supported

3D and 4K UHD, HDCP 2.2, EDID and CEC

Specs

4k

3840 x 2160 / 60Hz

8k

8k / 60Hz 4:4:4

100M

100m Long distance

100%

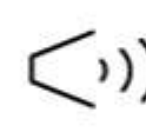
EMI free



Plug and play



Ultra High Bandwidth



Stereo Audio

YES

HDCP 2.2

Diagram



Datasheet

Feature/Spec	AOC-DP-Fxx
Connector	DP
Plug and Play	✓
Detachable	X
Embedded power supply at Rx side	✓
External power supply	X
Hot swappable	✓
No software/ driver required	✓
Thin construction	✓
Max. Resolution	4K/120Hz, 8K/60Hz
HDCP compliant	✓
EDID	✓
CEC	✓
100% EMI free	✓
Without signal loss	✓
Max Distance	100m/ 328ft
Power consumption	≤ 250mW
Bandwidth	32.4Gpbs
Stereo Audio	✓
PCM 8-channel, Dolby Digital True HD and DTS-HD Master Audio.	✓
Min. Bending Ratio	Dynamic 20D, Static 10D
Max. Compressed Stress	500N, 51Kg or 112lbs
Max. Tensile Force	200N, 20Kg or 44lbs
3D video	✓
Fiber cable body dimension (Diameter)	4.2mm or 0.170"
Humidity	0-90% RH

Feature/Spec	AOC-HDMI-DxxC	AOC-HDMI-DxxP	AOC-HDMI-Fxx	AOC-DP-Dxx	AOC-DP-Fxx	AOC-DVI-Dxx
Connector	HDMI Type D to D	HDMI Type D to D	HDMI Type A	Mini DP to DP	DP	HDMI Type D to DVI
Plug and Play	✓	✓	✓	✓	✓	✓
Detachable	✓	✓	X	✓	X	✓
Embedded power supply at Rx side	✓	✓	✓	✓	✓	✓
External power supply	5V USB to DC 2.0	X	X	5V Micro USB	X	5V USB to DC 2.0
Hot swappable	✓	✓	✓	✓	✓	✓
No software/ driver required	✓	✓	✓	✓	✓	✓
Thin construction	✓	✓	✓	✓	✓	✓
Max. Resolution	4K/30Hz/ 60Hz 4:4:4	4K/30Hz/ 60Hz 4:4:4	4K/30Hz/ 60Hz 4:4:4	4K/120Hz, 8K/60Hz	4K/120Hz, 8K/60Hz	1080P/60Hz
HDCP compliant	✓	✓	✓	✓	✓	✓
EDID	✓	✓	✓	✓	✓	✓
CEC	✓	✓	✓	✓	✓	X
100% EMI free	✓	✓	✓	✓	✓	✓
Without signal loss	✓	✓	✓	✓	✓	✓
Max Distance	100m/ 328ft	300m/ 984ft	100m/ 328ft	100m/ 328ft	100m/ 328ft	100m/ 328ft
Power consumption	≤ 250mW	≤ 250mW	≤ 250mW	≤ 250mW	≤ 250mW	≤ 250mW
Bandwidth	18Gpbs	18Gpbs	18Gpbs	32.4Gpbs	32.4Gpbs	10.2Gpbs
Stereo Audio	✓	✓	✓	✓	✓	X
PCM 8-channel, Dolby Digital True HD and DTS-HD Master Audio.	✓	✓	✓	✓	✓	X
Min. Bending Ratio	Dynamic 20D, Static 10D	Dynamic 20D, Static 10D	Dynamic 20D, Static 10D	Dynamic 20D, Static 10D	Dynamic 20D, Static 10D	Dynamic 20D, Static 10D
Max. Compressed Stress	500N, 51Kg or 112lbs	500N, 51Kg or 112lbs	500N, 51Kg or 112lbs	500N, 51Kg or 112lbs	500N, 51Kg or 112lbs	500N, 51Kg or 112lbs
Max. Tensile Force	200N, 20Kg or 44lbs	200N, 20Kg or 44lbs	200N, 20Kg or 44lbs	200N, 20Kg or 44lbs	200N, 20Kg or 44lbs	200N, 20Kg or 44lbs
3D video	✓	✓	✓	✓	✓	X
Fiber cable body dimension (Diameter)	4.2mm or 0.170"	4.2mm or 0.170"	4.2mm or 0.170"	4.2mm or 0.170"	4.2mm or 0.170"	4.2mm or 0.170"
Humidity	0-90% RH	0-90% RH	0-90% RH	0-90% RH	0-90% RH	0-90% RH



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