

HDMI 1.4 Active Optical Cable (AOC)

Description

The high speed Active Optical Cable (AOC), it meets the requirements of HDMI 1.4 specification, with high performance, low power consumption and low cost. Using optical fiber to replace copper wire as the high-speed signal transmission medium, HDMI 1.4 AOC can perfectly transmit 4K at 30Hz UHD image up to more than 100 meters (330ft).

Compared with the traditional copper wire, HDMI 1.4 AOC is much longer, softer, more slim, with better signal quality and perfect EMI/EMC feature. Compared with other HDMI optical fiber transmission solution, HDMI 1.4 AOC is easy to use, has perfect compatibility, and no external power supply needed.

The HDMI 1.4 AOC cable provides the best solution of high resolution video for long distance applications, such as digital signage, surveillance, home theater, game console, conference room, auditorium, medical imaging, stadium, and so on.



Features:

- Meet HDMI 1.4 specification standard
- Compliant to link with all HDMI A-type connector devices
- Speed up to 10.2 Gbps
- Supports full 1080p resolution up to 100m (330ft)
- Support 3D Display, 4K at 30Hz, 1080p resolution and Deep Color
- Plug and Play – no additional drivers required
- Thinner, lighter and flexible than copper cable and easy installation
- Low power consumption
- Highly resistant with EMI and RFI
- No external power needed
- Available in 10m/20m/30m/50m/100m lengths

Application:

- Home Theater
- Digital Signage
- High definition Video Meeting System
- Medical Video System
- High definition Video Surveillance System
- Projectors and displays for conference room, auditorium, medical imaging and stadium

Ordering information

Part number	Description
LAN-H2AOC10	HDMI 1.4 AOC 10 meter
LAN-H2AOC20	HDMI 1.4 AOC 20 meter
LAN-H2AOC30	HDMI 1.4 AOC 30 meter
LAN-H2AOC50	HDMI 1.4 AOC 50 meter
LAN-H2AOC100	HDMI 1.4 AOC 100 meter

Specifications:

Item	HDMI 1.4 AOC
Model name	LAN-H2AOC100 series
Standard	Meet HDMI 1.4 spec. Standard
Connector	HDMI type A Plug
Cable diameter	3.0x5.0 mm
Channel bandwidth	10.2 Gbit/s
Resolution	3D/4K @ 30Hz / 1080p @120Hz
Color depth	48 (bit/px)
Range	100m (330 ft)
Power Consumption	Max. 250mW
Power Supply	Non external power required
Bend Radius	20 mm
Operating Temperature	0°C to 50°C (32°F to 122°F)
Cable lengths	10m/20m/30m/50m/100m (Max.)

