Up to 100M HDMI 2.0 Transmission!

S-NODUL AOC

4K@60Hz 100M transmission!

Ultra-high resolution & Ultra-low latency

Ultra-high resolution & Ultra-low latency

HDMI 2.0 AOC FEATURES

- 4.8 Gbps Bandwidth
- Support Resolutions of 4K 60Hz
- Super Stable Transmission
- Plug and Play
- Support HDR, ARC, CEC
- Up to 18Gbps data speed
- Support 3D

HDMI AOC BENEFITS

- Wide Usage
- Thinner Interface & Lighter
- Easy Cable Routing & Flexible
- Small Bend Radius

AOC = Active Optical Cable

Active optical cables (AOC) are cables with optical fiber technology and active electronics inside. Light is used to transmit data signals over long distances. AOC cables are ideal for applications that require high bandwidth, long reach, and low latency.

S-NODUL AOC

A hybrid AOC including 4 HDTV, HDMI 2.0 AOC which is a premium HDMI 2.0 AOC supports transmission.

WHY

WHY S-NODUL AOC ?

Long Distance Transmission of UHD video / 4K@60Hz

Up to 100m transmission of HDMI 2.0 AOC

Support 4K@60Hz, 4K@50Hz, 4K@30Hz, 1080p@60Hz, 1080p@50Hz

Easy Cable Installation

Thin cable(4.5 cable diameter 5.5mm)

Light weight

Flexible cable

Protect the inner fragile optical parts

Protect the inner fragile optical parts from bending damage

S-NODUL cable diameter 5.5mm

No worry about fiber damage

The invisible diameter of HDMI 2.0 optical fiber cable is 0.75mm, which is much smaller than the diameter of the copper wire.

WHY

WHY S-NODUL AOC ?

Slim Cable Design & Simple HDMI Shell compared to Chinese brand AOC

S-NODUL is Chinese brand AOC

Slim cable design & Simple HDMI Shell

Flame retardant LSZH employed

Flame retardant LSZH (Low smoke zero halogen) cable and shell emits low smoke, toxic fumes and other toxic gas when burned. AOC cables are made from flame retardant LSZH (Low smoke zero halogen) cable and shell, which is safer for human and environment.

LSZH Cable is a kind of special cable, and also has the characteristics of flame retardant, low smoke, low toxicity and low halogen. It is widely used in the fields of Civil buildings, Rail transit, Nuclear power plants, Petrochemical industry, Coal mines, Tunnels and Data centers, etc. It is a kind of cable with high safety performance.

LSZH Cable & Shell

- Low smoke
- Zero halogen
- Flame retardant

PVC Cable & Shell

- Thick smoke
- Contain halogen
- Flammable

Excellent bending radius

The thinner bending diameter of S-NODUL AOC cable makes it more flexible and easier to bend, thereby easy routing in constructing and installation.

Small bend radius(min) specialized in Chinese brand AOC

Small bend radius(min) specialized in Chinese brand AOC, which is a premium cable and suitable for a variety of applications.

S-NODUL

WHY

Disadvantages of other HDMI transmission solutions!

Coaxial HDMI cable with built-in amplification chip	HDMI extender, HD base T	HDMI AOC with UHF power
Complex installation, Additional power supply required, Unstable signal transmission	Complex installation, Additional power supply required, Unstable signal transmission	Complex installation, Additional power supply required, Unstable signal transmission

Other specifications supported by S-NODUL AOC

SPEC	1.3	1.4	2.0	2.1
HDMI	✓	✓	✓	✓
CEC Audio	✓	✓	✓	✓
ARC	✓	✓	✓	✓
Video Color	✓	✓	✓	✓
Video Color Gamut	✓	✓	✓	✓
Video Color Depth	✓	✓	✓	✓
Auto Lip Sync	✓	✓	✓	✓
Auto Video Format	✓	✓	✓	✓
3D over HDMI	✓	✓	✓	✓
4K over HDMI		✓	✓	✓
Micro Connector		✓	✓	✓
Ethernet Channel		✓	✓	✓
Audio Return Channel		✓	✓	✓
4K Video Format		✓	✓	✓
Weight		✓	✓	✓
Dynamic Auto Lip Sync			✓	✓
Dual View			✓	✓
Multi-Stream Audio			✓	✓
8K Video				✓
Dynamic HDR				✓

Spec

Supports standard

Type	Resolution	Scanning rate per second	Video data rate	Audio data rate
4K	4096×2160	24P	4.5 G	8 G
4K	3840×2160	24P	4.5 G	8 G
4K	3840×2160	25P	4.5 G	8 G
4K	3840×2160	30P	4.5 G	8 G
4K	3840×2160	48P	8.9 G	16 G
4K	3840×2160	50P	8.9 G	16 G
4K	3840×2160	60P	8.9 G	16 G
4K	4096×2160	60P	8.9 G	16 G
4K	4096×2160	50P	8.9 G	16 G

Type

Supports standard

4.5Gbps & 8.9Gbps 4K ULTRA HD Support

Supports 4K@60Hz (4:4:4/4:2:2/4:2:0 8-bit) video transmission (18Gbps) compared to the previous HDMI 1.4 to meet it's support to 4K 30Hz. Supports 4K@60Hz (4:4:4/4:2:2/4:2:0 8-bit) video transmission (18Gbps) compared to the previous HDMI 1.4 to meet it's support to 4K 30Hz. Supports 4K@60Hz (4:4:4/4:2:2/4:2:0 8-bit) video transmission (18Gbps) compared to the previous HDMI 1.4 to meet it's support to 4K 30Hz.

4K@60Hz 4:4:4

4K

4096 x 2160

3840 x 2160

HDR (HDR10, HLG)

Full HD (1080p) + 3D

ARC

(Audio Return Channel)

Just a single cable is enough.

Technology employed which sends the audio signal of the TV to the AV receiver or soundbar. Technology employed which sends the audio signal of the TV to the AV receiver or soundbar. Technology employed which sends the audio signal of the TV to the AV receiver or soundbar.

ARC (Audio Return Channel)

HDMI cable

HDMI cable

**HDMI cable