



Industrial HDMI 2.1 AOC H48HBS3

HDMI AOC generates high quality digital video signals for the connection between HDMI source and sink devices. It supports 8K60Hz with 12bit YCbCr 4:2:0 and 4K120Hz with 12bit YCbCr 4:4:4. The HDMI AOC is a compact hybrid cable comprising multi-mode glass fibers for the FRL signals (support TMDS signals) and copper wires for the low frequency signals. It is fully terminated with electro-optical and opto-electrical HDMI plug ends and is compliant with the HDMI specifications.

Features

- Optical channel for high-speed signals
- HDMI2.1 Support Data link length up to 100m
- Support CEC/DDC and HDCP : $\leq 100\text{m}$
- Support maximum data rate : 48Gbps
- Support Full Function ARC/eARC : $\leq 13\text{m}$
- With DC Jack to USB Type-A external power
- Enhanced distance application
- High ESD protection

Applications

- Digital signage
- Surveillance
- Home theater
- Game console
- Projectors and displays for conference room, auditorium, medical imaging and stadium

Specification

Connector Type	Type-A (Male) to Type-A (Male)
Cable OD	5.2 mm
Cable Jacket (Option)	PVC / CMP
Supply Voltage	5 V
Operating Temperature	0~50°C

Capability

- Environment Test Certification
- Mechanical Test Certification
- Consumer Electronic Control
- Dynamic HDR, Display Stream Compression
- Frame Rate (HFR), Variable Refresh Rate (VRR), Quick Media Switching (QMS), Quick Frame Transport (QFT), Auto Low Latency Mode (ALLM)
- High-Bandwidth Digital Content Protection 1.3 & 2.2 & 2.3