

SC-DPH Series

DP 1.4 to HDMI 2.0 AOC



Features

- Low power consumption, no external power supply needed
- Thinner (cable OD 4.5mm), lighter and softer than the normal copper cable
- Self-conversion from DisplayPort signal to HDMI signal
- Compatible with HDMI 2.0 standard
- Unique internal cabling comprising OM3 multimode optical fibre and copper with pliable PVC sleeve
- Long distance transmission up to 60 meters
- Employs VCSEL LED emitters for accurate signal transmission
- Superior transfer rates, up to 18Gb/s @60Hz ideal for 4K
- Compatible with all versions of HDCP up to 2.2
- Plug & Play no driver required
- RF screening to prevent interference

Overview

These SC-DPH Series Active Optical Cables (AOC) from SEADA can take a Display video input and convert it to HDMI signal and then transmit this HDMI signal up to 4K@60fps 4:4:4 at 18Gbps data rate up to 60 meters without any compression. Comprised of a fiber and traditional copper wire cable, this active cable is less susceptible to EMI interference, for a clear and reliable audio/video signal.

SC-DPH Series HDMI AOC cable features a built-in booster circuit that is self-powered through the Display port, therefore no external power supply is required for it to carry video and audio signal.

SC-DPH Series offer AOC cable length varies from 10 to 60 meters to give customers flexibility on length choices, making it perfect for residential A/V, IT, gaming, medical, conference rooms and retail signage.

Specifications

Cable Diameter	4.5mm
Bend Radius (Dynamic/Static)	40mm/20mm
Tensile Strength @ Long term	100N
Tensile Strength @ Short term	200N
Crush Resistance @ Long term	200N
Crush Resistance @ Short term	400N
Cable configuration	4*Fiber + 7*cooper + PVC Jacket
Fiber Module	50/125 um
Transducer	4 CH 850nm VCSEL/PIN
Working current	≤45mA
Power Consumption	≤250mw
Finished OD	5.5±0.1mm
HDMI Connector	Type A
Total Bandwidth	18Gbps
Operating Temperature Range	0~50 degrees centigrade
Operating Humidity Range	10%-90% non-condensing
Storage Temperature Range	-20~70 degrees centigrade
Storage Humidity Range	10%~90% non-condensing
Warranty	2 years

Models

Part Number	Description
SC-DPH-A10	10m DP to HDMI AOC, 4K@60Hz 4:4:4, Support HDCP2.2/HDR/ARC
SC-DPH-A15	15m DP to HDMI AOC, 4K@60Hz 4:4:4, Support HDCP2.2/HDR/ARC
SC-DPH-A20	20m DP to HDMI AOC, 4K@60Hz 4:4:4, Support HDCP2.2/HDR/ARC
SC-DPH-A25	25m DP to HDMI AOC, 4K@60Hz 4:4:4, Support HDCP2.2/HDR/ARC
SC-DPH-A30	30m DP to HDMI AOC, 4K@60Hz 4:4:4, Support HDCP2.2/HDR/ARC
SC-DPH-A40	40m DP to HDMI AOC, 4K@60Hz 4:4:4, Support HDCP2.2/HDR/ARC
SC-DPH-A50	50m DP to HDMI AOC, 4K@60Hz 4:4:4, Support HDCP2.2/HDR/ARC