

ACTIVE OPTICAL CABLE for HDMI, HDFC-100



Descriptions

New active optical HDMI cable, HDFC-100 is designed compact enough to be fitted into various installation environments. The HDFC-100 enables to transmit 4K(4096x2160) 60Hz(4:2:0), 4K 30Hz(4:4:4) signal up to 150m (492feet) over hybrid cable, avoiding any tricks such as scaling or data compression for lessening a burden of data transmission.

The HDFC-100 gives slim, light, easy installation like a general copper HDMI cable. With low power consumption technology in OPTICIS, the HDFC-100 can be operated by DDC 5V in HDMI port without any external DC power or USB power.

It supports CEC, EDID, HDCP (High Definition Contents Protection) and ARC for better installation flexibility and compatibility.

Specification

- Extends up to 4K(4096x2160) 60Hz(4:2:0), 4K 30Hz(4:4:4), 36bit, 3.4 Gbps/ch
- Transmits HDMI data up to 150m (492feet) over Hybrid cable. (ARC mode: 20m)
- Operated by HDMI source without external power
- Supports 3D contents transmission
- Supports up to HDMI 2.0(4:2:0), 36bit color depth
- Supports Audio Return Channel (ARC)
- Complies with CEC, EDID, HDCP
- Certifications: FCC / CE

Applications

- Home AV
- Digital Signage
- Control room
- Conference room

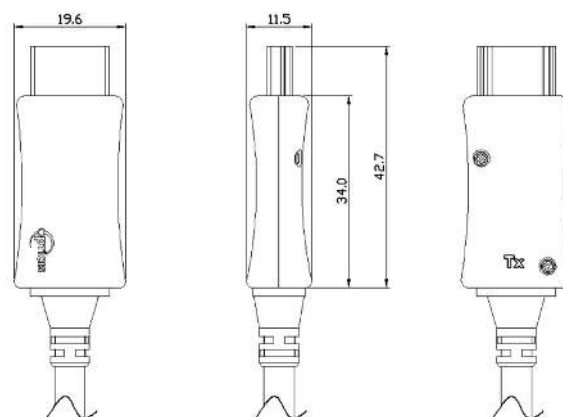
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Technical Features

Dimension

[Unit: mm]

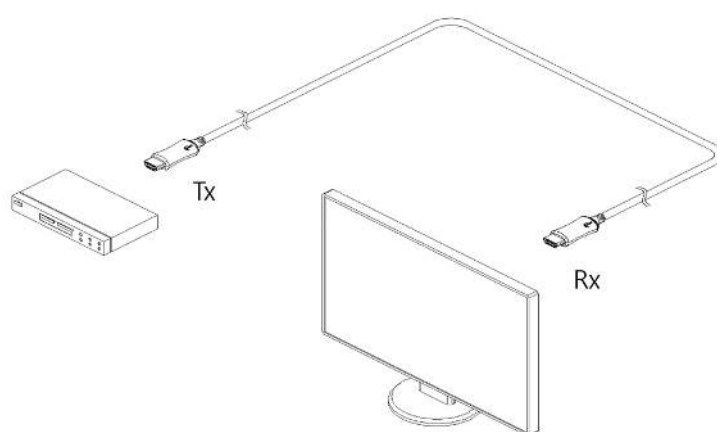
Resolution	Up to 4K(4096x2160) 60Hz(4:2:0), 4K 30Hz(4:4:4) 36bit color depth
Bit rate	Up to 3.4 Gbps / ch
Maximum distance	Up to 150m (492feet)
Cable	Hybrid Cable (Optical fiber + Copper cable)
Power supplying	HDMI source
LED Indicators	TX / RX Power
Power consumption	< 0.4W
Operating temperature	0°C to 70°C
Size (LWH)	42.7 x 19.6 x 11.5 mm



Size (L*W*H): 42.7x 19.6 x 11.5mm

Connection Diagram

Up to 150m(492feet) with 4K resolution



Example : DVD and HDTV Set-up

- ☐ Tx : DVD, Blu-ray, PC, Set-top box, Video game console
- ☐ Rx : HDTV, Computer monitor, Projector

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