OPTICIS

DisplayPort 1.2 to HDMI 2.0 Converting Active Optical Cable,
DHFC-200D

Description

Detachable DisplayPort 1.2 to HDMI 2.0 converting active optical cable, DHFC-200D, enables to convert DisplayPort 1.2 signal to HDMI 2.0 signal, and extends 4K (4096x2160) at 60Hz up to 100m (328feet) over plenum graded (or LSZH) hybrid cable. It avoids any scaling or data compression for lessening a burden of data transmission.

DHFC-200D is designed compact enough to be fitted into various installation environments with cutting edge technology performance.

DHFC-200D offers perfect flexibility during installation by separating DisplayPort and HDMI connector part and Active Optical Cable part. It gives slim, light, easy installation like a general copper cable, moreover DHFC-200D converts DisplayPort 1.2 signal to HDMI 2.0 signal and extends this signal much longer than general copper cable.

With High-Retention HDMI connector, HDMI connector (Rx) side allows more retention force compared to standard HDMI connector whereas DisplayPort connector secures its connection with its own locking mechanism.

Specification

- Extends up to 4K (4096x2160) at 60Hz (RGB & YCbCr : 4:4:4)
- Converts DisplayPort 1.2 signal to HDMI 2.0 signal and transmits converted signal up to 100m (328feet) over hybrid cable
- Adopts plenum graded (or LSZH - Low Smoke Zero Halogen) hybrid cable
- Offers perfect flexibility during installation by separating DisplayPort and HDMI connector from cable
- Prevents accidental disconnection by using High-Retention HDMI connector(Rx) and DisplayPort connector(Tx)
- Supports 3D contents transmission
- Supports CEC, EDID and HDCP 2.2

Applications

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

DisplayPort 1.2 to HDMI 2.0 Converting Active Optical Cable,
# DHFC-200D

Technical Features

Resolution	Up to 4K(4096x2160) at 60Hz	
Bit rate	Up to 6.0 Gbps/ch	
Maximum distance	Up to 100m (328feet) @4K, 60Hz	
Cable	Plenum graded (or LSZH) hybrid cable (optical fiber + copper cable)	
Power supplying	USB power on both side	
LED Indicators	TX / RX power	
Power consumption	< 1.6W	
Operating temperature	0°C to 60°C	
Size (LWH)	Tx	65 x 20 x 11.5 mm
	Rx	53 x 20 x 10.4 mm

Dimension [mm]

DHFC-200D-Tx
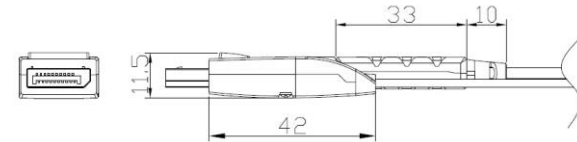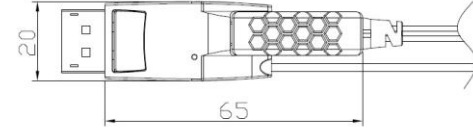
DHFC-200D-Rx
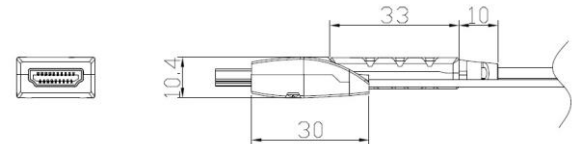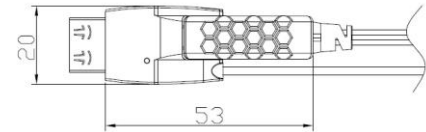
Connection Diagram

4K (4096x2160) @60Hz up to 100m

Up to 100m at 4K

DHFC-200D Tx

DHFC-200D Rx
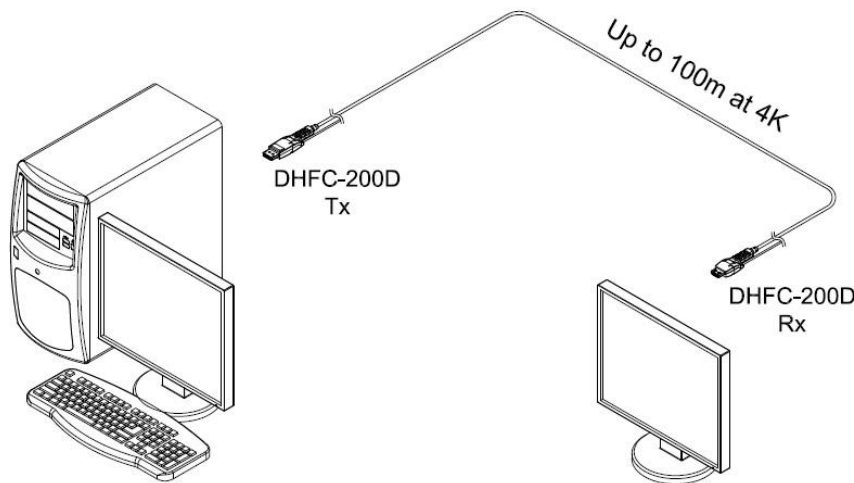
DisplayPort Source

HDMI Display

Example: PC and Display Set-up

TX: Display sources like PC, laptop, or media player
RX: HDMI displays like Monitor, TV and Projector that has USB input

All contents are subject to be changed without prior notice.