



DisplayPort 1.2 to HDMI 2.0 Extender with Diagnosis feature DHX-1F4K-TR

Description

DHX-1F4K is DisplayPort 1.2 to HDMI 2.0 converting optical extender, transmitting 4K (4096x2160) at 60Hz up to 300m (984 feet) over one (1) LC multi-mode fiber (OM3). It offers 3-meter extension for both transmitter and receiver sides, enhancing installation flexibility. Used with the HDX-1F20-RX, it transmits uncompressed 4K video signal.

Effortlessly convert DisplayPort 1.2 to HDMI 2.0 with DHX-1F4K, designed for seamless connectivity and long-distance transmission.

When connecting with BR-600, the built-in Diagnosis function allows remote monitoring and management for ensuring real-time error detection and reduced downtime.

Combining robust performance, advanced diagnostics, and versatile extension options, the DHX-1F4K is an ideal solution for demanding AV installations.

Specification

- Extends up to 4K (4096x2160) at 60Hz.
- Transmits 4K video signal up to 300 meters (984 feet) over one (1) LC multi-mode fiber (OM3)
- Converts 4K DisplayPort 1.2 to 4K HDMI 2.0
- Extra copper extension available up to 3m on each side (TX/RX)
- Data security with negligible EMI emission
- Diagnosis Link Manager (GUI program) will be provided to manage firmware upgrade and diagnosis feature
- Compatible with Power Rack (BR-600), support up to 8 units Opticis diagnosis extenders, and offer one step feature at once time
- Diagnosis features able to check the status of product and manage them from a long distance
- Firmware upgradable via USB Type C port
- Certifies FCC and CE standards for EMI/RFI emission

Basic Information	- Model name - Serial number - H/W, F/W version
Operation Status	- EDID - Operating voltage - Operating temperature - Display/Source connection
Management	- Fix and Edit EDID - User/Product labelling
One step feature (up to 8 units)	- Firmware upgrade

Applications

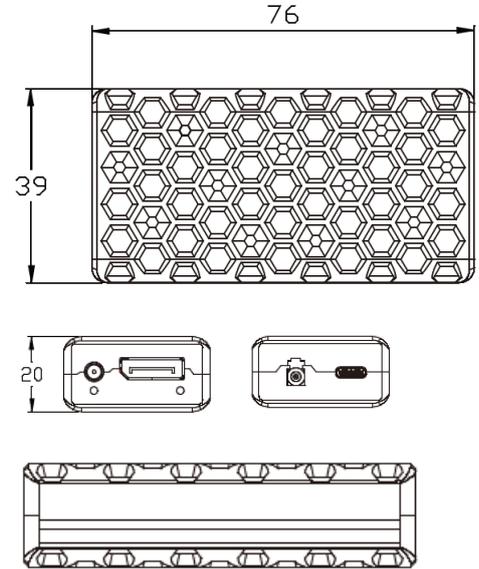
- Medical imaging
- Military
- Digital Signage
- Control room
- Rental staging
- Flight Simulation

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Technical Features

Resolution	Up to 4K (4096x2160) at 60Hz
Bit rate	Total 18 Gbps (6 Gbps/channel)
Maximum distance	Up to 300m (984feet)
Fiber type	1 LC multi-mode fiber (OM3)
Power supplying	External DC power 5V/1A
Power consumption	< 2.5W
Operating temperature	0°C to 50°C
Operating humidity	10~85% RH (non-condensing)
Size (LWH)	39 x 76 x 20 mm

Dimension [mm]



Size (LWH): 39 x 76 x 20mm

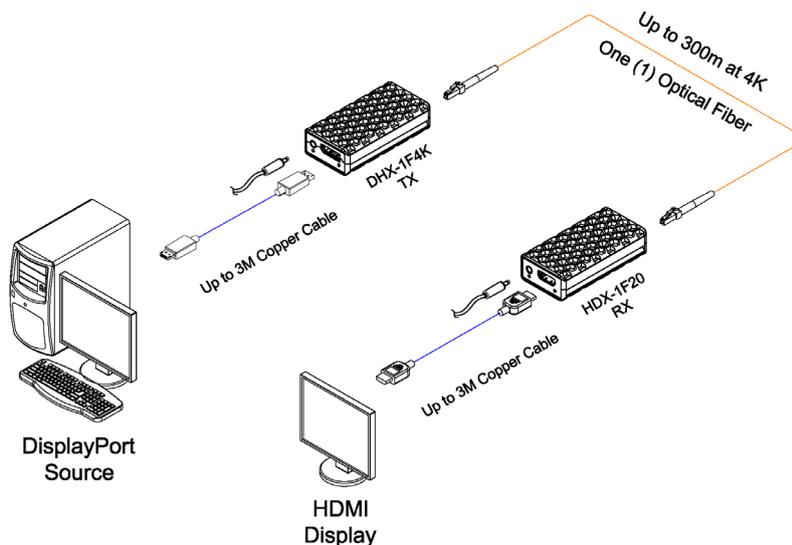
* In shipping group, two 2m copper cables are included.

Contact the regional sales representative or tosales@opticis.com for using 3m copper cable.

* DHX-1F4K-Tx designed to be used with HDX-1F20-RX in any circumstances.

* If needed, DPX-1F4K can be purchased separately.

Connection Diagram



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All contents are subject to be changed without prior notice.