



DisplayPort 1.2 Optical Extender with Diagnosis feature DPX-1F12-TR

Description

DPX-1F12-TR is a high-performance DisplayPort 1.2 fiber 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. It meets DisplayPort 1.2 standards and transmits uncompressed and transparent video signals.

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 DPX-1F12-TR is an ideal solution for demanding AV installations.

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

Specification

- Extends up to 4K (4096x2160) at 60Hz.
- Supports DisplayPort 1.2 standards for seamless high-definition audio and video
- Transmits data up to 300 meters (984 feet) over one (1) LC multi-mode fiber (OM3)
- Extra copper extension available up to 3m on each side (TX/RX)
- Supports MST (Multi-Stream Transport)
- 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

Applications

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

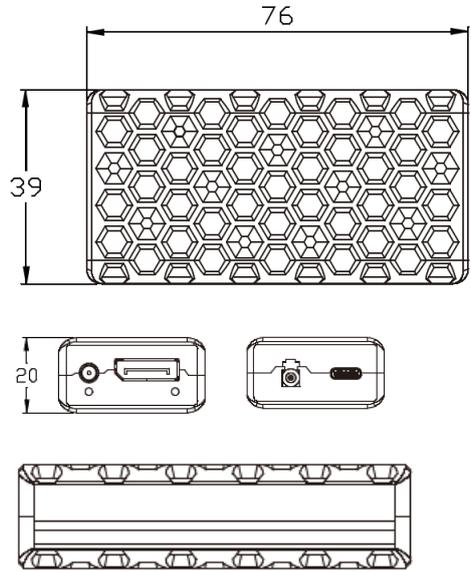
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Technical Features

Resolution	Up to 4K (4096x2160) at 60Hz
Bit rate	Total 21.6 Gbps (5.4 Gbps/lane)
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

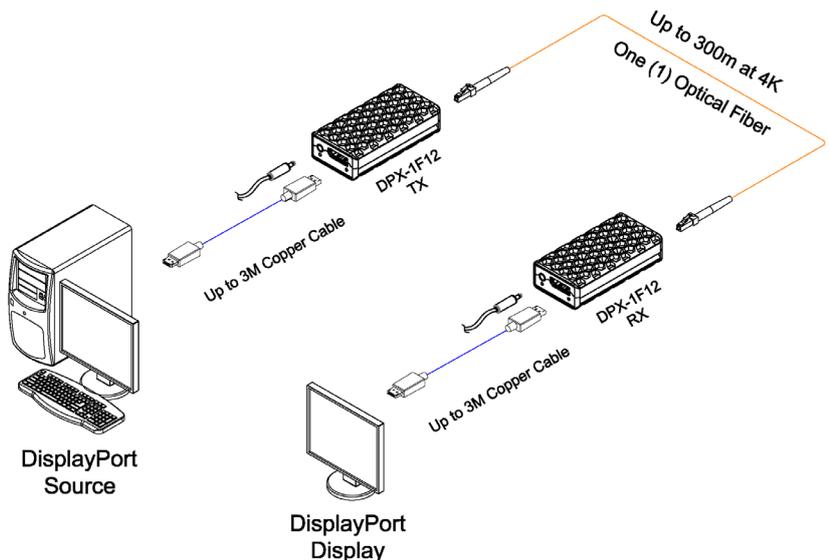
* In shipping group, two 2m copper cables are included.
Contact the regional sales representative or tosales@opticis.com for using 3m copper cable.

Dimension [mm]



Size (LWH): 39 x 76 x 20mm

Connection Diagram



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All contents are subject to be changed without prior notice.