

Real 4K supporting all optical DP1.2 Extender, DPFX-200-TR



Descriptions

New optical DisplayPort extender, **DPFX-200-TR** is designed compact enough to be fitted into various installation environments with two (2) LC fibers connection.

The transmitter and receiver set, DPFX-200-TR enables to transmit 4K(4096x2160) at 60Hz signal up to 100m (328feet) over two (2) LC multi-mode fibers, avoiding any tricks like scaling or data compression for lessening a burden of data transmission.

Between the transmitter and the receiver, pure fiber connection by two (2) LC fibers connector gives clean, secure and easy installation with no electrical hazard and a perfect electrical isolation. The DPFX-200-TR can be operated by USB power without external DC power adapter by plugging the supplied USB to DC plug cables to each module.

Key Features

- Supports **4K** and **DisplayPort 1.2** standards
- Extends **4K (4096x2160)** at 60Hz
- Transmits DP data up to **100m (328feet)** over two (2) LC multi-mode fibers (50/125um).
- Offers total data rate **21.6Gbps** (5.4Gbps per lane)
- Supports **Dual-mode DP** (DP++)
- Supports **Auxiliary /I²C** channel over fiber
- Supports **Multi-Stream transport**
- Compact design allows direct connect to the DP display.
- Plug & Play
- Auto power switching
- Data security with negligible EMI emission.
- Certifies FCC and CE standards for EMI/RFI emission

Applications

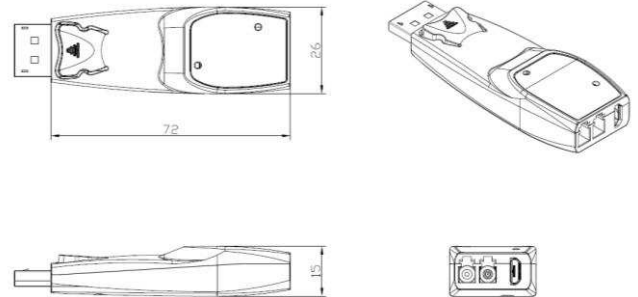
- Medical imaging
- Military
- Control room
- Simulator

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Technical Features

Resolution	Up to 4K(4096x2160) at 60Hz
Data rate	5.4Gbps (per lane)
Maximum distance	100m (328feet) with (50/125um) fiber
Fiber	LC terminated 2 core multi-mode fibers
AUX CH	Direct AUX CH
Power supplying	TX / RX: External 5V/1A DC power or USB cable
LED Indicators	TX: Power, Signal transmission RX: Power, Signal detection
Operating temperature	0 ~ 50 °C
Operating Humid.	0 to 85% RH, non-condensing

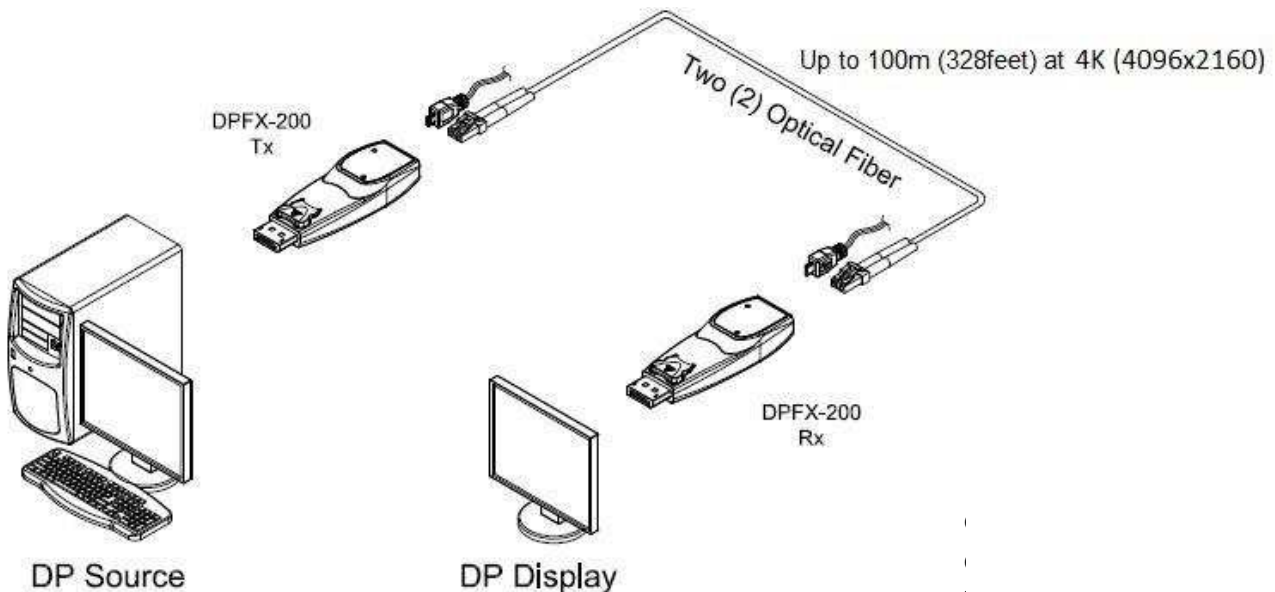
Drawing of Module



※ 0.2m DisplayPort copper cable is strongly recommended to use on TX(Display Source) side only

※ With using DPAX, Opticis DisplayPort Data Recovery Repeater, DisplayPort signal transmission length has improved up to 300m under certain environment.

Connection Diagram



All contents are subject to be changed without prior notice.

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