www.opticis.com

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 200m (656feet) 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 **200m (656feet)** 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

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

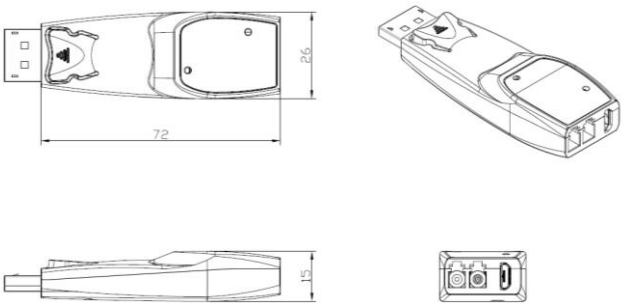
Technical Features

Resolution	Up to 4K(4096x2160) at 60Hz
Data rate	5.4Gbps (per lane)
Maximum distance	200m (656feet) 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℃
Operating Humid.	0 to 85% RH, non-condensing

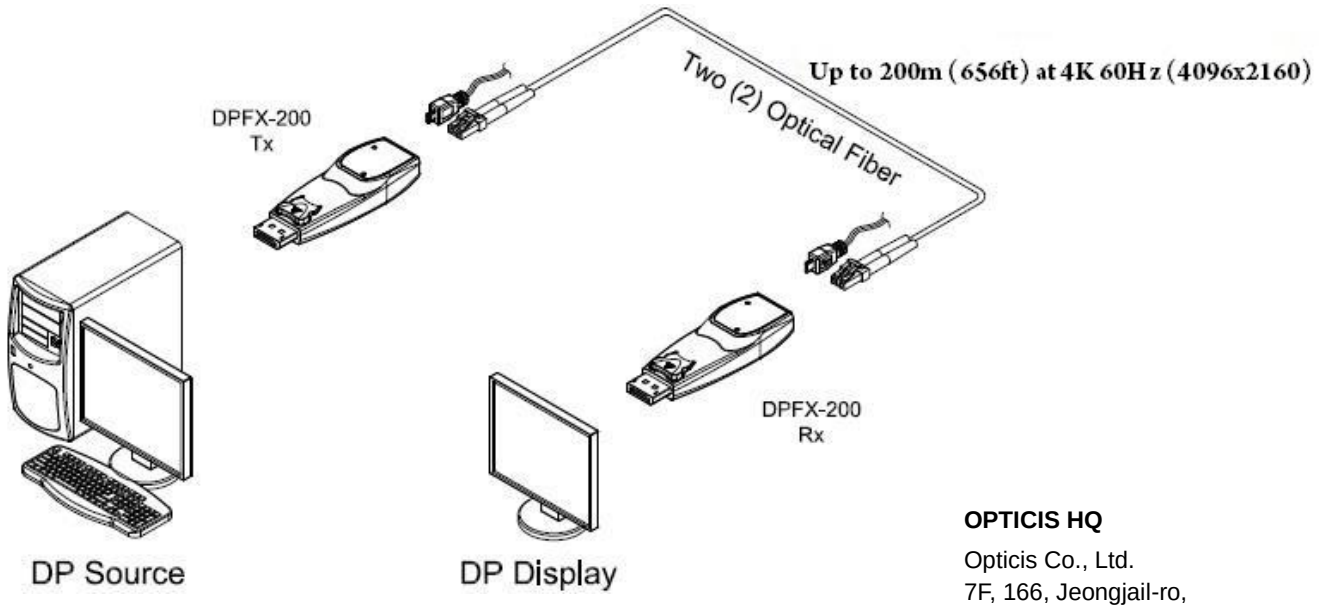
※ 0.2m DisplayPort copper cable is strongly recommended to use on TX(Display Source) side only

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

Drawing of Module



Connection Diagram



OPTICIS HQ

Opticis Co., Ltd.
7F, 166, Jeongjail-ro,
Bundang-gu
Sungnam-si, Gyunggi-do, 13558
South Korea
Tel: +82 (31) 719-8033
Fax: +82 (31) 719-8032
www.opticis.com
tosales@opticis.com

www.opticis.com

All contents are subject to be changed without prior notice.