

# 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 WQUXGA (3840x2400) 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 or DC power supplier.

## Key Features

- Supports **4K** and **DisplayPort 1.2** standards
- Extends **WQUXGA (3840x2400)** at 60Hz
- Transmits DP data up to **100m (328feet)** over two (2) LC multi-mode fibers.
- Supports **Smart control** function by GUI
- Offers total data rate **21.6Gbps** (5.4Gbps per lane)
- Supports **Dual-mode DP (DP++)**
- Supports **Auxiliary I<sup>2</sup>C** 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

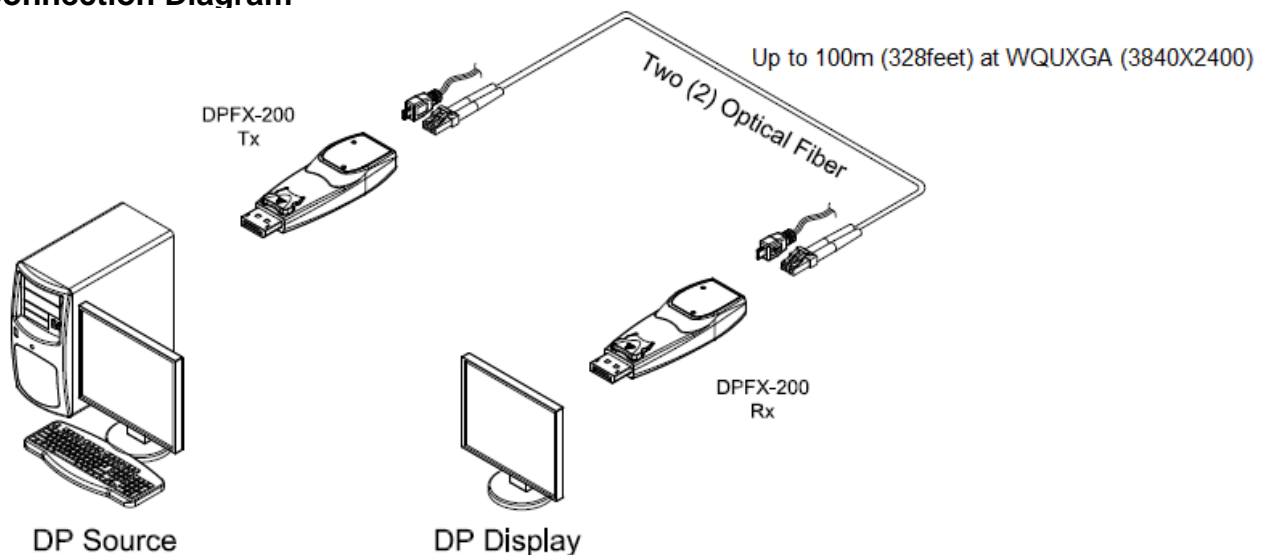
- Medical imaging
- Military
- Control room
- Simulator

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

## Technical Features

Resolution	Up to WQUXGA (3840x2400) at 60Hz
Data rate	5.4Gbps (per lane)
Maximum distance	100m (328feet) with fiber (50um /125um)
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

## Connection Diagram



Vertrieb durch  
Distribution by

**HY-LINE**<sup>®</sup>  
COMPUTER COMPONENTS

Inselkammerstr. 10  
D-82008 Unterhaching  
Tel.: +49 89 614 503 40  
www.hy-line.de

### OPTICIS HQ

Opticis Co., Ltd.  
# 16Fl, Kins Tower Jeongja 331,  
8 Sungnam-daero, Bundang-gu  
Sungnam-si, Gyunggi-do, 463-782  
South Korea  
Te I: +82 (31) 719-8033  
Fax: +82 (31) 719-8032  
[www.opticis.com](http://www.opticis.com)  
tosales@opticis.com

**opticis**  
www.opticis.cor..