

# 4K DP-Beam 1.2

## 4K DisplayPort 1.2 Fiber Optic Extender

### Real 4K support all optical DP1.2 Extender

New optical DisplayPort extender **4K DP-Beam 1.2** is designed compact enough to be fitted into various installation environments with two (2) LC fibers connection.

The transmitter and receiver set, **4K DP-Beam 1.2** enables to transmit 4K (4096 x 2160) at 60Hz signal up to 100m (328 feet) over two (2) LC multimode fibers, avoiding any tricks like scaling or data compression for lessening a burden of data transmission.

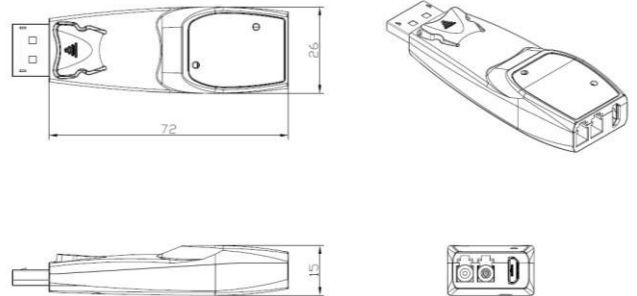
Between the transmitter and the receiver, pure fiber connection by two (2) LC fibers connector gives clean, secure and easy installation with no electrical hazard and a perfect electrical isolation. The **4K DP-Beam 1.2** can be operated by USB power without external DC power adapter by plugging the 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 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

#### DRAWING OF MODULE



#### APPLICATIONS

- Medical imaging
- Military
- Control room
- Simulator

#### ORDER INFORMATION

# 4K DP-Beam 1.2

## 4K DisplayPort 1.2 Fiber Optic Extender

### 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

- ◆ 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

