



## OVERVIEW

The LBO-DP12 Series is a high performance, low cost, small form-factor, directly pluggable Fiber Optic 4K DisplayPort Transmission System (Transmitter and Receiver). It transmits 4K DisplayPort video signals over (2) LC Multimode fibers to provide full uncompressed video. This unique fiber optic transmission system allows video signals to be extended up to 200m at 4K60, YCbCr 4:4:4. Simply plug-in the DisplayPort adapter to your source and/or displays and fiber connectors and the system is ready to use.

## FEATURES

- Extend 4K DP signals up to 200 meters over two (2) LC multi-mode fibers (OM3)
- Video Resolutions up to 4K2K @ 60Hz, YCbCr 4:4:4 or RGB
- Fully uncompressed video and audio provides zero loss of quality
- Offers total maximum bandwidth of 21.6Gbps (5.4 Gbps per lane)
- Supports Dual-mode DP (DP++)
- Includes two (2) micro USB cables for the transmitter and receiver
- Certification CE/FCC, UL IT, Laser Safety Class 1
- Supports multi-stream transport (MST)
- Tx/Rx can be powered by phantom power or by USB power

## VIDEO SPECIFICATIONS

<b>Resolution</b>	Up to 4K @ 60Hz, 4:4:4
<b>Connector</b>	DisplayPort Male
<b>Protocol</b>	EDID/ DPCD/HDCP 1.4 Capable

## OPTICAL

<b>Fiber Type</b>	Multimode
<b>Number of Fibers</b>	2
<b>Connector</b>	LC
<b>Dynamic Range</b>	6dB

## PHYSICAL

<b>Dimensions</b>	1.02" (W) x 2.83" (D) x 0.59" (H)
<b>Power Consumption</b>	1.15W (TX) / 1.35W (RX)
<b>LED Indicator</b>	Power/Status
<b>Operating Temperature</b>	0 to 40°C
<b>Humidity</b>	0 to 85% RH, Non-Condensing

## CERTIFICATIONS

CE, FCC

## GREEN COMPLIANCE

RoHS

## ORDER INFORMATION

<b>LBO-DP12-T-2F</b>	Fiber Optic 18G/4K DisplayPort Transmitter, Multimode, 2-Fiber
<b>LBO-DP12-R-2F</b>	Fiber Optic 18G/4K DisplayPort Transmitter, Multimode, 2-Fiber
<b>LBO-DP12-T/R-2F</b>	Fiber Optic 18G/4K DisplayPort Transmission System (Tx and Rx) Multimode, 2-Fiber
<b>Included Accessories</b>	2- Micro-USB Cable

## PANEL DRAWING

