

DisplayPort 2.1 Optical Extender

Ref. EXT-DP21-OPT



Professional DisplayPort 2.1 optical extender for long range signal management



Up to
8K60

HFR
up to
240Hz

DP
2.1

Up to
200m
(655 ft)

Multi-
mode
fiber (SC)

Overview

The EXT-DP21-OPT is a high-performance DisplayPort 2.1 UHBR10 optical extender kit designed for long-distance transmission of high-resolution video and embedded audio. Supporting up to 40 Gbps bandwidth, it extends DisplayPort signals up to 200 m (655 ft) over a single (1-core) multimode SC OM4 fiber. It supports uncompressed video up to 4K@120Hz and 5K@60Hz, and reaches up to 8K@60Hz with DSC enabled. Its compact design makes it ideal to fit in various installation environments or live events.

Key features

- ▶ DisplayPort 2.1 UHBR10 connectivity with up to 40 Gbps bandwidth
- ▶ Extends DisplayPort signals up to 200 m (655 ft)
- ▶ Uses a single-core multimode SC OM4 fiber
- ▶ Supports uncompressed video up to 4K@120Hz and 5K@60Hz
- ▶ DSC support for video formats up to 8K@60Hz and high frame rates up to 4K@240Hz
- ▶ Support custom video formats
- ▶ Compatible with DPCD, EDID and HDCP 2.2
- ▶ Compact transmitter and receiver design
- ▶ Status LEDs for easy installation and troubleshooting
- ▶ Supports up to 8 channels of embedded audio
- ▶ No additional latency, ideal for real-time applications
- ▶ External 5V DC power adaptors provided
- ▶ TAA-compliant

Product dimensions (transmitter or receiver)

- ▶ L 3.00" x W 1.46" x H 0.72"
- ▶ L 76.2 mm x W 37 mm x H 18.4 mm

Operating conditions

- ▶ Temperature: 0 to 50°C (32 to 122°F)

Power consumption

- ▶ 1.55 W (transmitter)
- ▶ 1.03 W (receiver)

Warranty

- ▶ 1-year warranty on parts and labor back to factory - Broken connectors are not covered by warranty

RoHS

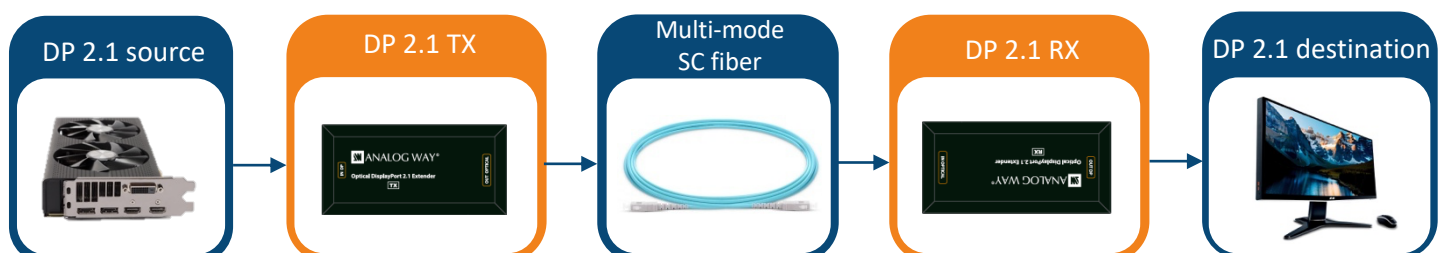
- ▶ Complies with Directive EU 2015/863 (RoHS3)

Safety

- ▶ Complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 (Ed. 3) as described in laser notice No 56 date May 8, 2019
- ▶ Laser classification: Class 1

CLASS 1 LASER PRODUCT
CONSUMER LASER PRODUCT
EN 50689:2021

Specifications subject to change without prior notice



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