



GF-EXT-DP5-SC

Optical Extender

Designed for professional environments that demand uncompromised image fidelity, the Gefen GF-EXT-DP5-SC extends DisplayPort 2.1 video and audio signals up to 200 meters over a single OM3/OM4 multimode fiber optic cable. Leveraging advanced optical transmission, it delivers ultra-high bandwidth (40 Gbps) for full 8K@60Hz performance with zero compression and no latency. The result is flawless image reproduction ideal for broadcast control rooms, medical imaging suites, and visualization applications where every pixel matters.

With its compact form factor, robust metal housing, and field reliability, the GF-EXT-DP5-SC provides long-distance, noise-immune connectivity. Support for DPCD and HDCP compliance ensures secure, standards-based operation across today's most demanding AV workflows.

- Extends up to 8K@60Hz DisplayPort 2.1 video up to 200 meters over OM3/OM4 multimode fiber
- Supports DPCD and HDCP compliance for secure, high-bandwidth transmission
- Utilizes single-core SC-terminated optical cable for simplified installation
- Compact, metal enclosure design optimized for professional environments
- Ideal for broadcast, medical, and high-resolution visualization applications

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FEATURES

- **Optical Transmission for Long Distances:** The GF-EXT-DP5-SC uses optical signal conversion to deliver uncompressed DisplayPort 2.1 video and audio up to 200 meters, eliminating EMI/RFI interference common in copper cabling.
- **Full 8K Performance:** Supports up to 8K@60Hz (7680x4320) resolution with 40Gbps bandwidth, ensuring pixel-perfect reproduction for design, visualization, and production environments.
- **Professional Build Quality:** Rugged metal housing with efficient heat dissipation and compact footprint ensures reliable performance in rack, wall, or console-mounted applications.
- **Secure and Standards-Compliant:** Fully DPCD and HDCP compliant for seamless interoperability with GPUs, displays, and signal management systems.
- **Simple Setup:** Includes all necessary cables for immediate deployment: DisplayPort 1.0m copper cables and power adapters for both transmitter and receiver.
- **Low Power, High Efficiency:** Consuming under 2.2W per module, the GF-EXT-DP5-SC minimizes operational heat and power draw.

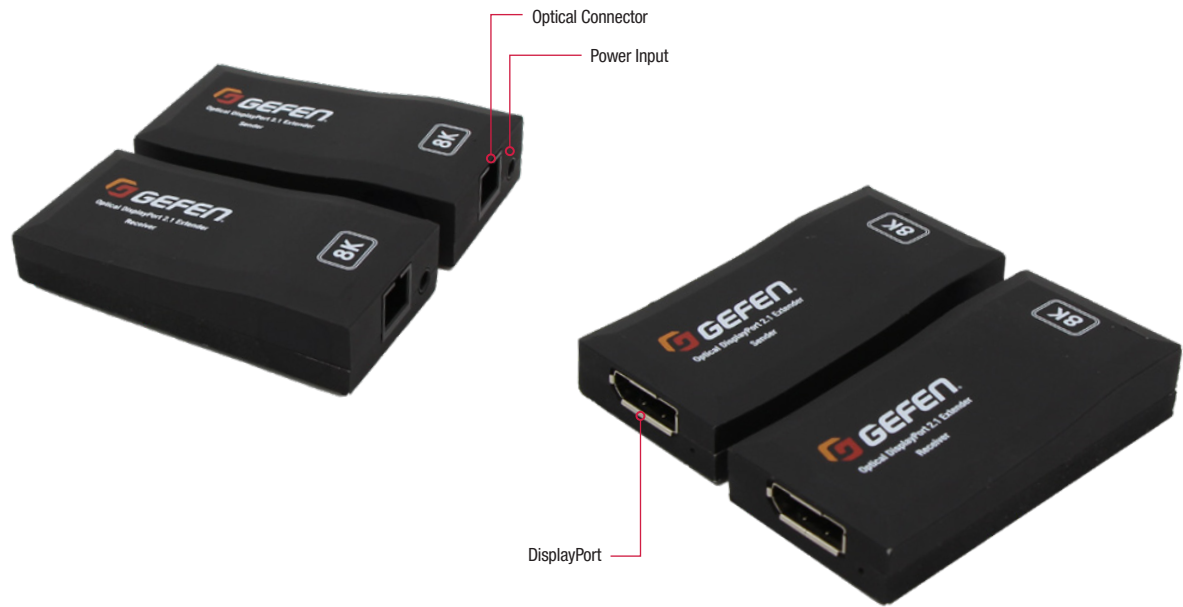
TECHNICAL SPECIFICATIONS

Video Bandwidth	40 Gbps
Maximum Resolution	8K@60Hz (7680x4320)
Video Input (Sender)	(1) DisplayPort 2.1 Type A, 20-pin female
Video Output (Receiver)	(1) DisplayPort 2.1 Type A, 20-pin female
Optical Connectors	SC type, single-core
Transmission Distance	Up to 200 meters (OM3/OM4 multimode fiber, SC termination)

PHYSICAL SPECIFICATIONS

Power Requirement	+5V DC
Power Consumption	~2W
Operating Temperature	0°C – 50°C (32°F – 122°F)
Operating Humidity	10% to 80% RH, non-condensing
Dimensions (Sender/Receiver)	37 x 77 x 19 mm (W x D x H)
Enclosure	Metal, compact housing

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