

HDMI 2.1 Active Optical Cable

This active optical cable is designed for HDMI 2.1 applications, enabling high-bandwidth data transmission across extended distances. It supports resolutions up to 8K and offers low EMI emissions along with secure data transmission capabilities.



Overview

High-Performance HDMI 2.1 Connectivity

This HDMI 2.1 Active Optical Cable is engineered for uncompressed, distortion-free signal transmission, ensuring the highest image quality for professional applications. Supporting a massive 48Gbps bandwidth, it is capable of handling resolutions up to 8K at 60Hz and 4K at 120Hz. Designed with EMI/RFI resistance and reliable components, this cable is an ideal solution for high-performance computing and professional AV installations.

Performance Metrics

Transmission Rate

48 Gbps

Bandwidth

Supported Resolutions

- 8K x 4K @ 60Hz
- 4K x 2K @ 120Hz

Technical Specifications

Optical Components

- 850nm VCSEL
- PIN photodetector

Signal Support

HDCP 2.2, DDC, CEC, HPD, ARC, HEC

Interface

Standard HDMI

EMI/RFI Protection

Yes

Customization

Service Availability

Customized processing available