



Connecting Critical Signals
We can connect that





OWM-DP



VoIP



MSV 3



OMP-HM, DP



FTSM



WMC-DH



WMC-SD

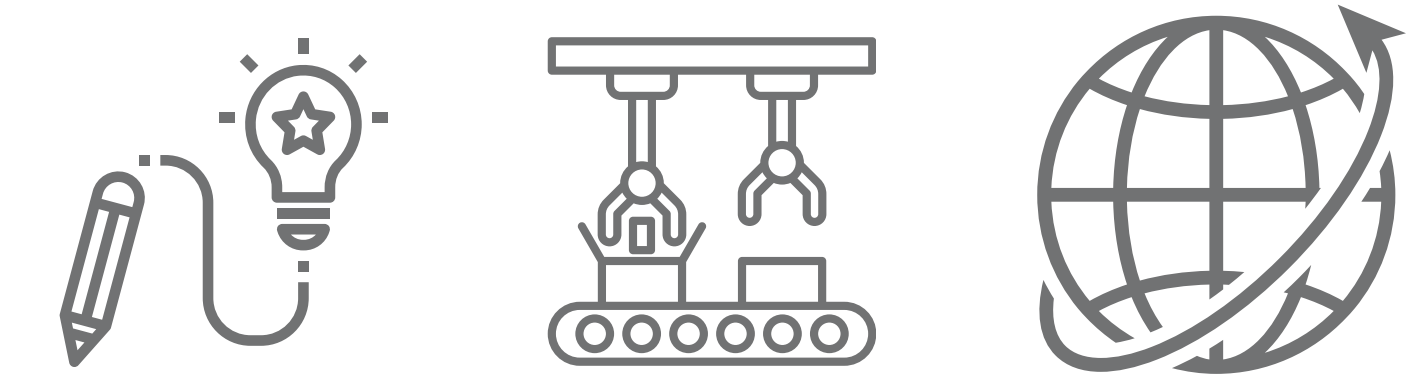
OPHIT USA - Pioneering AV Connectivity Since 2001



- Established in 2001, Ophit has become a leading designer and manufacturer of audio & video products
- Serving diverse markets across healthcare (including medical imaging), broadcasting, manufacturing, ProAV, corporate, surveillance, teleconferencing, transportation, government, and education
- Early success with high-speed fiber optic DVI link solutions launched Ophit into the global AV connectivity market



- Video signal converters, extenders, switches, and multi-viewer scalers
- Supports HDMI, SDI, DisplayPort, and VoIP standards
- Enables consultants, system designers, integrators, and installers to deliver reliable AV systems
- ISO 9001, ISO 14001, ISO 13485: commitment to Total Quality Leadership
- TAA-compliant and aligned with U.S. government procurement requirements, including NDAA Section 889.



- Designs and manufactures components for digital video integration systems
- Global leader in fiber optic technology for long-distance AV transmission
- Ensures security, performance, and reliability in transmitting video data over hundreds to thousands of meters
- Specializing in build-to-spec solutions, Ophit provides customized system design, consultation, and services to meet precise customer specifications

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OPTICAL FIBER EXTENDERS



OMP-HM 8K HDMI 2.1 Optical Extender

OWM-DP 8K DP 2.1 Optical Extender

OMP-DP 8K DP 1.4 Optical Extender

OMB-DP 8K DP 1.4 Optical Extender

- 8K/4K (7680x4320, 60Hz with DSC, 4096x2160, 120Hz) up to 330ft | 100m using multimode optical fiber without video signal degradation
- Long-distance transmission using OM3/OM4 fiber with an (8-or 12-core, Polarity Type A) and MTP/MPO type connector
- Compatible with HDMI 2.1 for the latest technology; also a receiver for WMC-DH wall plate
- Featuring I²C, Hot Plug, CEC, EDID, HDCP; EMI & safety: CE, FCC
- Total Bandwidth: 48 Gbps

- Supports up to 8K@60 with DSC, 4K@60, 4K@120 and 4K@240Hz
- SC, 1core, OM4 multimode fiber
- Max distance: 656ft | 200m
- DPCD/HDCP compliant
- Aux and Hot Plug channels
- Powered rackmount (19RM-005)
- Video Bandwidth: 40 Gbps
- Ready to ship June 2026
- Evaluation units waiting list available

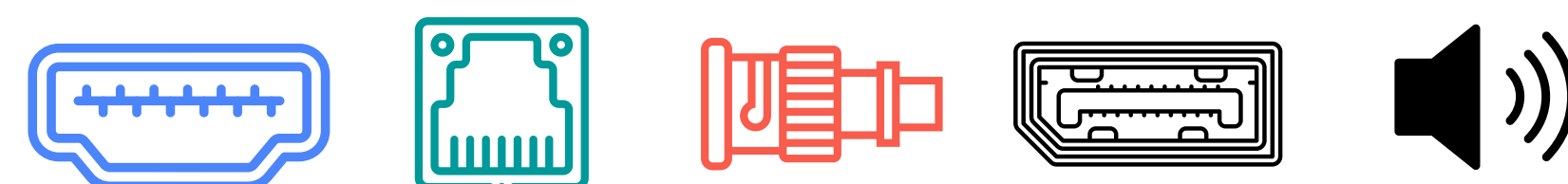
- 8K/4K UHD (7680x4320 60Hz, HBR3, 4096x2160, 120Hz) up to 656ft | 200m using multimode optical fiber without video signal degradation
- Long-distance transmission using 8 or 12-core MPO/MTP connector-type optical fiber cable, Polarity type B
- Compatible with DisplayPort version 1.2 and 1.4 for the latest technology
- Featuring DPCD, HDCP, Mainlink, Aux data, Hot Plug & safety: CE, FCC
- Total Bandwidth: 32.4 Gbps

- 8K/4K UHD (7680x4320, 60hz, 4096x2160, 120Hz) up to 656ft | 200m using a multimode optical fiber without video signal degradation
- Long-distance transmission using optical MPO/MTP connector type cable, polarity type B
- Supports up to 4K@120Hz resolution for better image quality
- Compatible with DisplayPort version 1.2 and 1.4 for the latest technology
- Rackmount: Ophit's 19RM-003
- Featuring DPCP, AUX data and Hot Plug, DPCP, safety: CE, FCC
- Total Bandwidth: 32.4 Gbps

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NEW



VyNet 3

4K Video over IP

- Fanless, passive cooling
- Copper or fiber networking
- Inputs: HDMI, SDI, DisplayPort | Output: HDMI | Audio in/out
- Modular SFP connectivity
- Uncompressed, zero-latency video routing over 10Gb Ethernet infrastructure
- Transport over optical fiber or standard IP networks
- Compatible with 4K AV-over-IP systems using 10G SFP+ network infrastructure
- Coming soon



MSV 3

4K Multiscaler Viewer
Dual Outputs

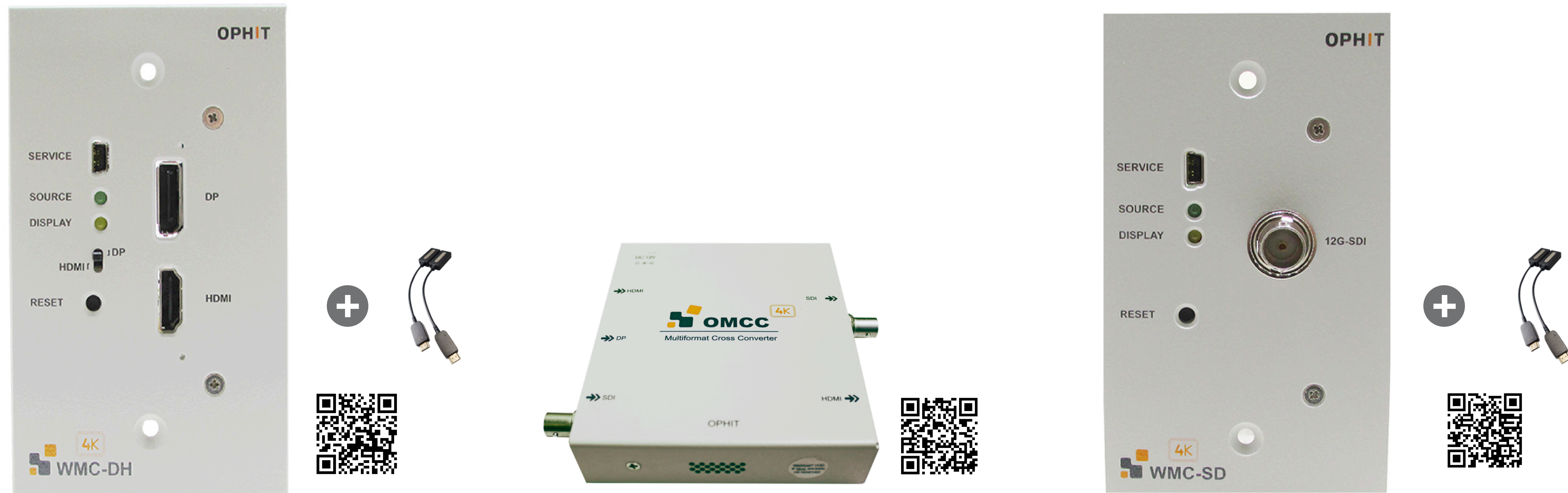
- 4K 4096 x 2160 with scaling options
- View and scale multiple sources with presets or customizable GUI
- Dual independent outputs
- Coming soon

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Converters



WMC-DH

DP/HDMI to HDMI
Wall Plate Converter

OMCC

Multi Format
Cross Converter

WMC-SD

12G-SDI to HDMI
Wall Plate Converter

- Converts 4K @ 60Hz DP 1.2 or HDMI 2.0 to HDMI 2.0 TMDS compatible output signal
- Connects to Ophit's OMP-HM-R (receiver/extender) via MPO/MTP, 8 or 12 core, OM3/OM4 multimode optical fiber, polarity A type, for up to 100m (330ft) of uncompressed data transmission
- Featuring CE-EMC
- Equipped with I/O status LED lights, one push input HDMI or DP switch
- Input: DP 21.6Gbps, HDMI 18Gbps, Output: HDMI 18Gbps

- Maximum resolution up to 4K@60Hz
- Convert HDMI or DisplayPort to SDI format in 12G, 6G, 3G, and HD
- DisplayPort input and SDI input can be converted to HDMI output
- Supports SDI input/output Level A
- Select the input video format using the tackle (push-button) switch
- Select the output video format using the SDI (right) / HDMI (left) switch
- 12G-SDI output automatically detects the input video rate and matches the SDI output with YCbCr 4:2:2-10bit video rate

- Converts up to 4K (4096x2160) @60Hz 12G SDI to HDMI 2.0
- Connects to Ophit's OMP-HM-R (receiver/extender) via MPO/MTP, 8 or 12 core, OM3/OM4 multimode optical fiber, polarity A type, for up to 100m (330ft) of uncompressed data transmission
- Featuring CE-EMC
- Equipped with I/O status LED lights, one push input HDMI or DP switch
- Input: SDI up to 11.88Gbps, Output: 18Gbps HDMI

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OPTICAL FIBER EXTENDERS



FTHS

4K HDMI 2.0a Optical Extender

- Supports 4K UHD (3840×2160 or 4096×2160 @60 Hz)
- Transmits high-speed data signals up to 656ft | 200m over an OM3 or OM4 1-channel SC multimode fiber, maintaining full signal fidelity
- Main link video signal, DDC data, and Hot Plug, SCDC, HDCP 2.2; Safety: CE, FCC, RoHS, REACH
- Rackmount: Ophit's 19RM-001
- Total Bandwidth: 18 Gbps



FTDS

4K 1.2 DP Optical Extender

- Supports 4K UHD (3840×2160 or 4096×2160 @60 Hz)
- Transmits high-speed data signals up to 656ft | 200m over an OM3 or OM4 1-channel SC multimode fiber, maintaining full signal fidelity
- Main link video signal, AUX data, Hot Plug, DPCP, DPCD, and HDCP; Safety: CE, FCC, RoHS, REACH
- Rackmount: Ophit's 19RM-001
- Total Bandwidth: 21.6 Gbps



FTSM

4K 12G-SDI Optical Extender

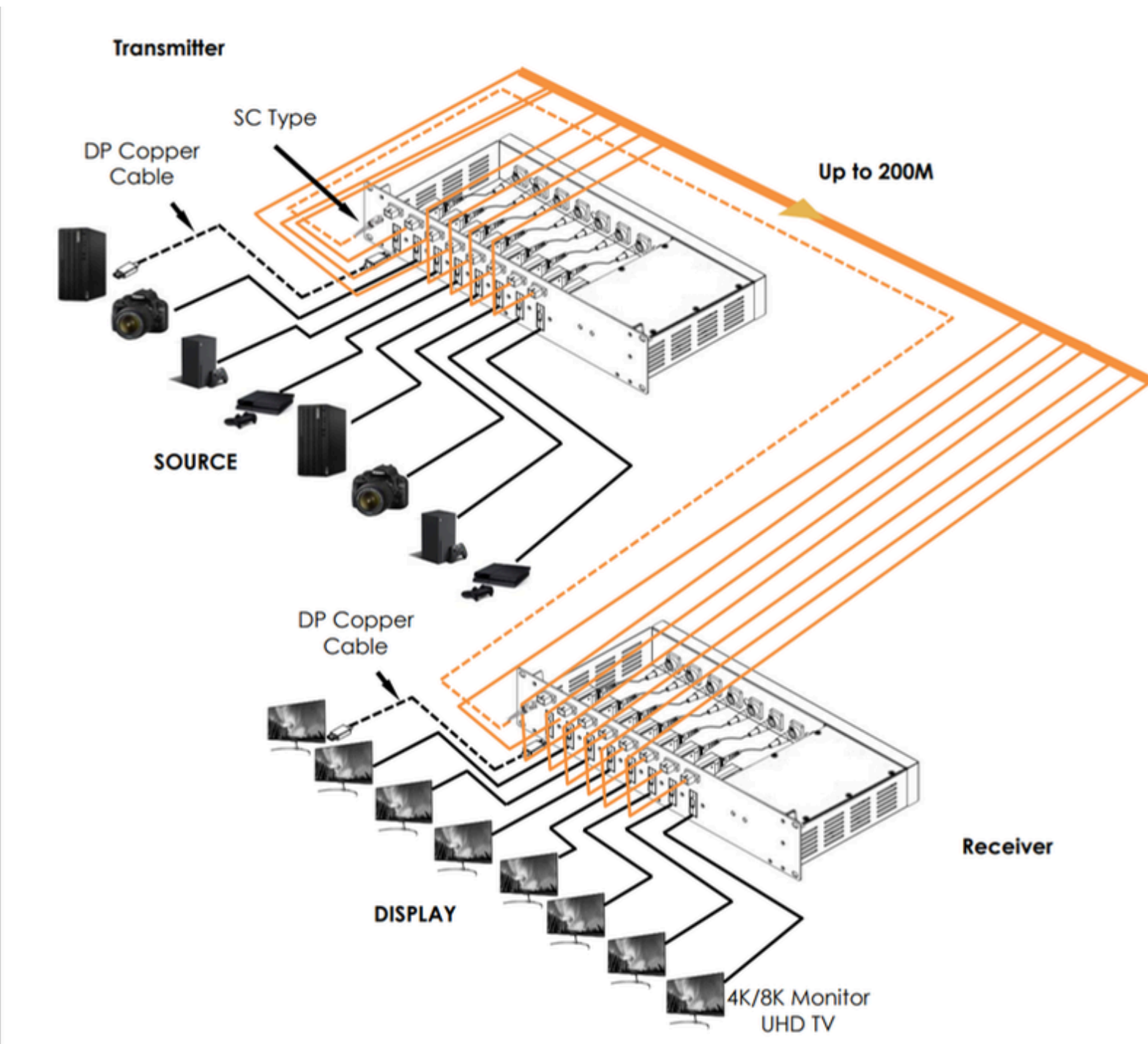
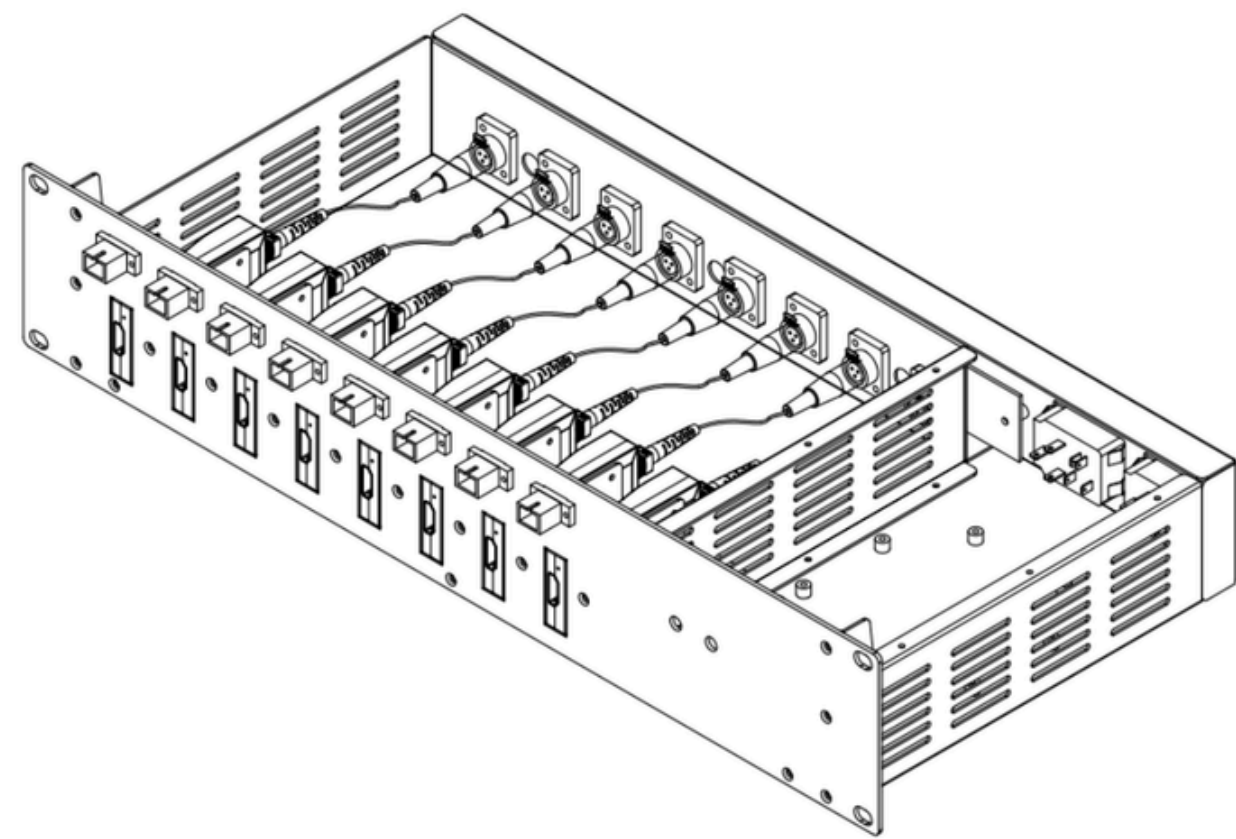
- Supports 4K UHD (3840×2160 @60 Hz)
- Transmits high-speed 12G-SDI signals up to 3.1 miles (5km) through a 1Ch, single mode LC optical fiber
- Supports video standard formats for SD-SDI, HD-SDI, 3G-SDI, 6G-SDI, and 12G SDI
- Stand-alone small format enclosure
- Safety: CE, FCC, RoHS, Reach, UKCA
- Total Bandwidth: 11.88 Gbps

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NEW

19" POWERED RACK MOUNTS



19RM-005

19" Rack Mount Case

- Up to 8 OPHIT's 8K Optical Extenders (OWM-DP and OWM-HM)
- 19-inch 2U design allows easy mounting
- Provides consistent power for redundancy with dual power supplies. LED power indicators on the front
- Safety: CE, FCC, RoHS, Reach, POPs



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19" POWERED RACK MOUNTS



FTDS / FTHS

19RM-001

19" Rack Mount Case

- Up to 8 OPHIT's **4K** Optical Extenders (**FTDS** and **FTHS**)
- 19-inch 2U design allows easy mounting in a 19-inch rack
- 8 SC connectors for ease of installation (19RM-001)
- Provides consistent power for redundancy with dual power supplies.
- LED power indicators on the front
- Eight DC cables that can be removed/installed are installed inside



OMB-DP / OMB-HM

19RM-003

19" Rack Mount Case

- Up to 8 OPHIT's **8K** Optical Extenders (**OMB-DP** and **OMB-HM**)
- 19-inch 2U size allows easy mounting in a 19-inch rack
- 8 MPO connectors for ease of installation (19RM-003)
- Provides consistent power for redundancy with dual power supplies.
- LED power indicators on the front
- Eight DC cables that can be removed/installed are installed inside

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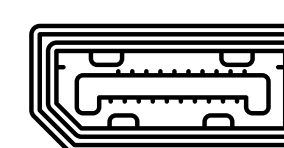
Active Optical Cables



FTAD 2

4K/8K DP AOC Cable

- DisplayPort 1.2a/1.4, Max 7680×4320 @ 60 Hz, 4096×2160 @ 60 Hz, 3840×2160 @ 60 Hz over multi-mode optical fiber + copper hybrid structure for 100 M (330 ft) transmission
- Power supply not required
- Detachable plug-and-play design: Mini-DP to DisplayPort 20 Pin (male) connector for simplified cable pulls
- DPCP, HDCP, AUX and Hot Plug; Safety: CE, FCC, RoHS, Reach, & GPSR
- Video Bandwidth: 32.4 Gbps (HBR3)



FTAD

4K/8K AOC Cable

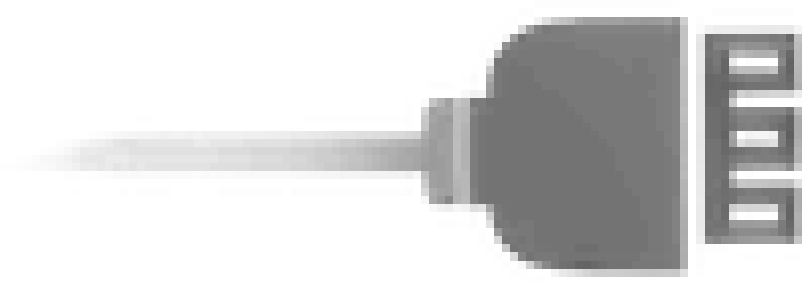
- DisplayPort 1.2a/1.4, Max 7680×4320 @ 60 Hz, 4096×2160 @ 60 Hz, 3840×2160 @ 60 Hz over multi-mode optical fiber + copper hybrid structure for 100 M (330 ft) transmission
- Power supply not required
- DPCP, HDCP, AUX and Hot Plug; Safety: CE, FCC, RoHS, Reach, & GPSR
- Video Bandwidth: 32.4 Gbps (HBR3)

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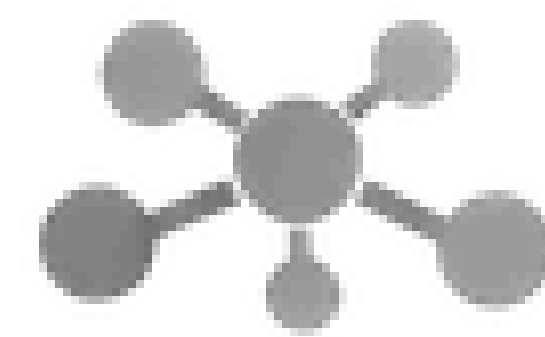
OphitUSA.com

Advanced Connectivity Solutions for Enterprise, Industrial, & Medical Applications



Signal Connectivity Solutions

- 8K & 4K Extenders, Converters, AV over IP
- Reliable transmission for mission-critical applications



Seamless Integration

- Works with medical imaging, broadcasting, manufacturing, pro-AV, corporate, surveillance, teleconferencing, transportation, government, and education.
- Plug-and-play: simplifies system setup



End-to-End Support

- Technical support & reference designs for partners
- ISO & compliance-ready solutions for regulated industries

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