

SMART CONNECTIONS FOR OPTIMUM RESULTS

12G-SDI**HDMI 2.0****4K**

(4096 x 2160)



UNCOMPRESSED



ZERO LATENCY



LONG DISTANCE TRANSMISSION

12G-SDI TO HDMI (MPO-TYPE OUTPUT) WALL PLATE CONVERTER

Ophit's **WMC-SD** is an MPO/MTP-type wall plate video signal converter that converts 12G-SDI to HDMI 2.0 TMDS-compatible optical signals, delivering maximum resolution up to 4K (4096 x 2160) @60Hz without signal degradation.

The newly launched wallplate video signal converter connects to the OMP-HM-R (Receiver) via MPO-type optical cable for up to 100m (330ft) of uncompressed data transmission. Specifically designed to be mounted in a single gang enclosure, the WMC-SD offers high-speed video signal transmission solutions for surgical boom systems in the OR suite.

FEATURE HIGHLIGHTS

- Supports the HDMI 2.0 standard
- Supports SDI interface standards from HD-SDI to 12G-SDI
- Equipped with two LEDs to indicate the status of input and output
- Equipped with one push button switch to reset the system
- Transmits converted optical signal using one MPO type optical cable
- Designed to mount in a single gang sized slot

OTHER APPLICATIONS

- Broadcast / Control Room / Large Auditorium / Live Stage / Medical Imaging / Military / Flight Simulation / Conference Room



OMP-HM-R (Receiver)

8K HDMI 2.1 Optical Fiber Extender
Pigtail-type with MPO connector

OMP-HM-R Sold Separately

Fiber Cable

MPO/MTP, 8 (or 12)-core, OM3, 50/125µm multi-mode fiber (polarity type A)

Input Data Rate

Upto 11.88 Gbps (ST020820-1, 12G-SDI)

Output Data Rate

Up to 18 Gbps (HDMI 2.0)

Optical Converter

1 x 4 Array 850nm VCSEL, 1 x VCSEL, 1 x PD

Input Signal / Connector

1 x SDI via BNC Female Connector

Output Signal / Connector

1 x MPO-Type (Optical Female Connector)

Module Weight

155g (0.34 lbs)

USB Connector

1 x Mini USB-B (Female Connector)

Status LEDs

2 x 3Ø LED

Tact Switch

1 x Tact Switch

Video Resolution

Up to 4K@60Hz

Dimensions (inches / mm)

70 x 115 x 87mm (W x H x D)

2.75" x 4.5" x 3.4" (W x H x D)

Enclosure Color

White Color

Power Supply

DC +5V to +12V

Power Connector

1 x 3.5mm (0.14") Pitch 3-Position Terminal (JIEKT / JK350R-03P)

EMI & Safety

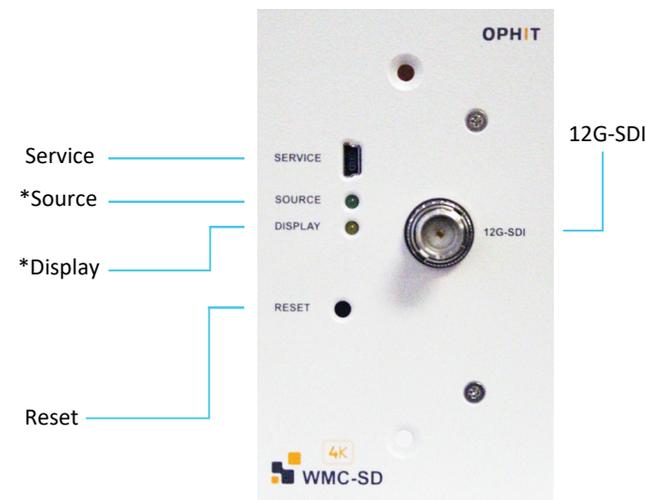
CE / FCC

Warranty

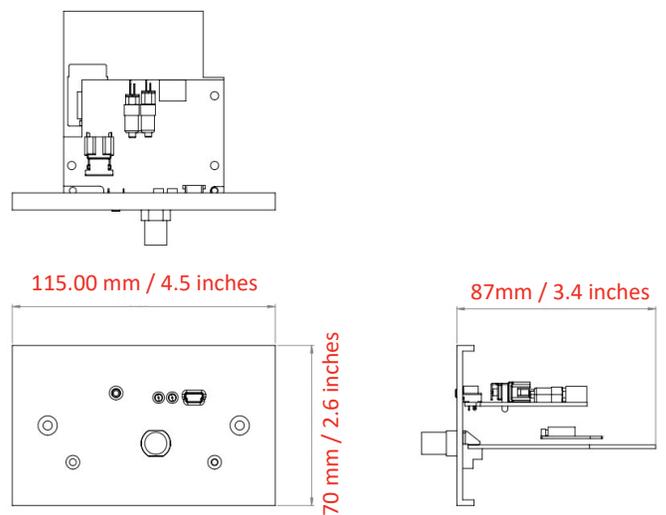
1-Year Limited



CONNECTION PORTS

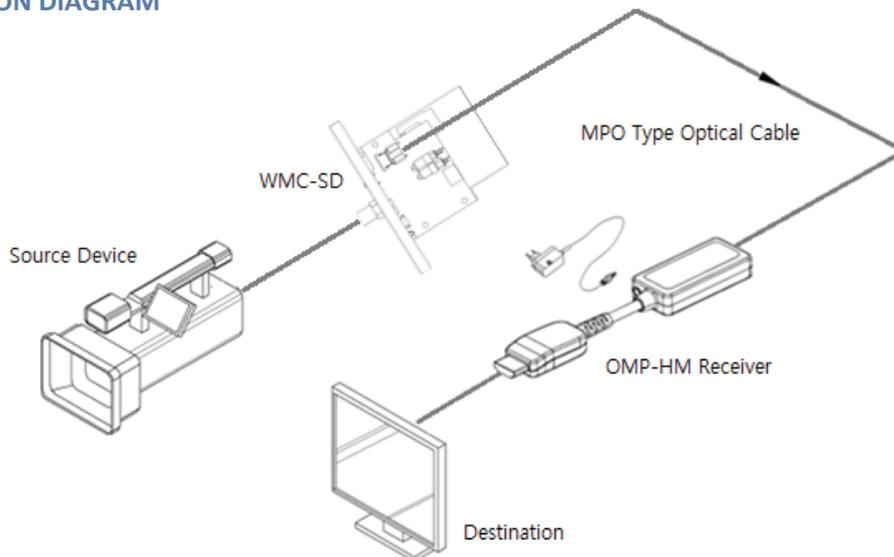


DIMENSIONS (MM / INCHES)



*Source: Active source indicator (solid green)
 *Display: Active receiver indicator (solid amber)

TYPICAL CONNECTION DIAGRAM



NOTE: The installer must supply power to the WMC-SD wall plate

