



12G-SDI to HDMI(MPO optical output) Wall Plate Converter



WMC-SD

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 wall plate 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 Medical system or Broadcast, Control system etc.

Features

- 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



Specification

Fiber Cable

MPO/MTP, 8 (or 12)-core, OM3, 50/125 μ m multi-mode fiber : Polarity A type

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)

USB Connector

1 x Mini USB-B (Female Connector)

Video Resolution

Up to 4K@60Hz

Weight

155g (0.34 lbs)

Dimensions (mm)

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

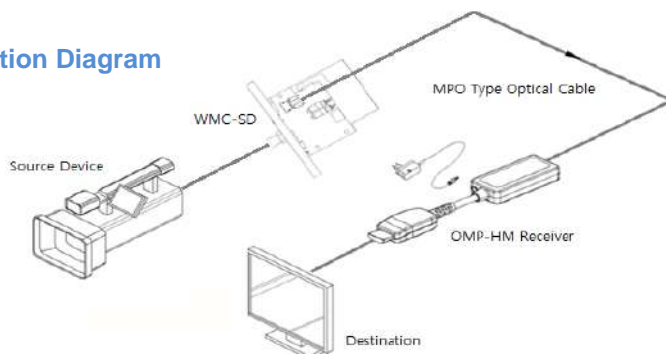
Power Supply

DC +5V to +12V

Power Connector

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

Connection Diagram



Package

- WMC-SD
- 3Pin Power Jack (male) 1ea
- User's manual

OPHIT CO., LTD.