

HDMI 3D 4k2k over Optical Fiber Transmitter & Receiver # 15135/15136



Operation Manual

Introduction

The 4Kx2K HDMI to Optical Transmitter and Receiver set uses fiber optic cables to give you longer transmission distances (up to 300m) utilizing thinner, lighter cables for greater flexibility in installations. With this system the HDMI signal is uncompressed and is fully compliant with HDMI and HDCP

Applications

- Digital signage
- Airport signage
- Advertising displays
- Video wall displays
- Surveillance systems
- Residential Installations

Features

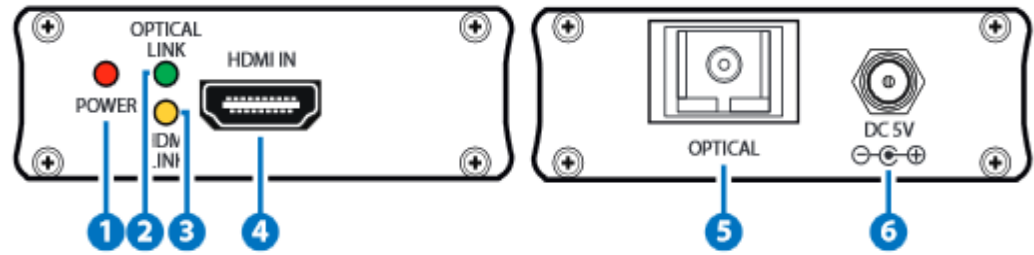
- HDMI, HDCP and DVI compliance
- Supports 3D Signal and 4K x 2K resolutions
- Long transmission distances – up to 300m with OM3 50/125um cable (SC-SC connector)
- Thinner and lighter cables for easier and more flexible installations
- Faster data transmission and lower power consumption
- Supports the reading of EDID information

System

Requirements

Source device such as a DVD or Blu-ray player with HDMI cables and output displays such as HDTV's and Monitors with HDMI ports.

Transmitter Front and Rear Panels



1. POWER LED

This LED will illuminate when connected to an AC wall outlet.

2. OPTICAL LINK LED

The LED will illuminate when the optical cable is connected and has successfully detected and communicated data between the Transmitter and Receiver. If the LED is not illuminated then check that the fiber optic cable is properly connected and that the cable itself is undamaged.

3. HDMI LINK LED

This LED will illuminate when the Transmitter unit is receiving a HDMI signal from the source device

4. HDMI IN

Connect to an HDMI input source such as a DVD or Blu-ray player with a HDMI cable.

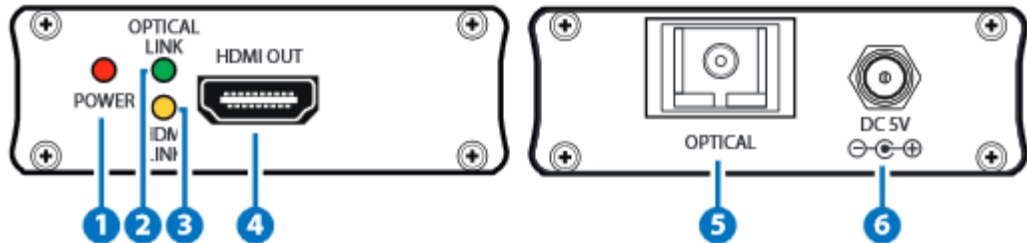
5. OPTICAL

Connect the SC-SC multi-mode optical cable to the Transmitter and Receiver units.

6. DC 5V

Connect to the power adaptor included in the package to an AC wall outlet for power supply.

Receiver Front and Rear Panels



1. POWER LED

This LED will illuminate when connected to an AC wall outlet

2. OPTICAL LINK LED

The LED will illuminate when the optical cable is connected and

has successfully detected and communicated data between the Transmitter and Receiver. If the LED is not illuminated then check that the fiber optic cable is properly connected and that the cable itself is undamaged

3. HDMI LINK LED

This LED will illuminate when the device is successfully communicating with the display

4. HDMI OUT

Connect to a HDMI Display device, such as a TV or monitor, with a HDMI cable

5. OPTICAL

Connect the SC-SC multi-mode fiber optical cable to the Transmitter and Receiver units.

6. DC 5V

Connect to the power adaptor included in the package from the AC wall outlet for power supply

Specifications

Video Bandwidth	340MHz/10.2Gbps
Optical Fiber Transmitter	OM3 50/125um, SC-SC connector
Input Port	1×HDMI
Output Port	1×Multi-mode Fiber Optical
Receiver	
Input Port	1×Multi-mode Fiber Optical
Output port	1×HDMI
Resolution Support	PC: VGA ~ WUXGA HD: 3D & 480i ~ 1080p (50/60Hz), 4K×2K(24/25/30Hz)
HDMI In/Out Cable Distance	Up to 10m (In) and 10m (Out) at 8-bit Up to 6m (In) and 6m (Out) at 12-bit
Optical Cable Distance	Up to 300 Meters with OM3 50/125um Optical Fiber Cable
Power Supply	5 V/2.6 A DC (US/EU standards, CE/FCC/UL certified)
ESD Protection	Human Body Model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Dimensions (Each)	65.5mm (W)×125.5mm(D)×21.6mm(H)
Weight (Each)	200g
Chassis Material	Aluminum
Color	Black
Operating Temperature	0 °C ~ 40 °C
Storage Temperature	-20 °C ~ 60 °C / -4 °F ~ 140 °F
Relative Humidity	20 ~ 90 % RH (non-condensing)
Power Consumption	1.5W/TX, 1.3W/RX



Connection Diagram

