

OMX-01HMHM0003

HDMI 1080P@60HZ Extender over Single Cat5e/6 with Built-In EDID and POC



FEATURES

- High definition resolution up to Full HD 1080p@60hz YUV4:4:4
- Transmits DVI/HDMI and Audio up to 196 feet over CAT5e/6
- Supports 3D
- Built-in EDID Management Function
- Support Bi-Directional POC: 196 ft when RX powered by TX, 98 ft when TX powered by RX
- Rugged Metal Enclosure

INCLUDES: (1) 5VDC/ 1A Power Supply

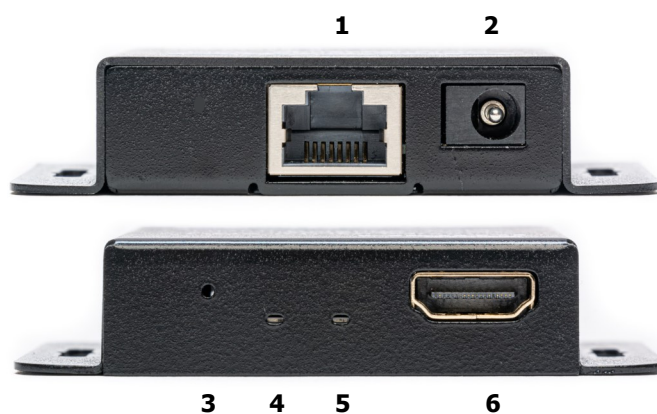


Specifications

Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 volts p-p(TTL)
Video Output	HDMI
Video Formats	DTV/HDTV:720P/1080i/1080P 3D video
Audio Formats	DTS-HD Master Audio, Dolby true-HD
Transmission Distance	up to 196 ft/ 60m over CAT5e/6
Power Consumption	2W
Power Supply	5VDC/1A
Dimensions (LxWxH)	TX/RX each: 3.13 x 2.6 x 0.63 inches
Weight TX and RX	8.2 oz

Operation Controls

TRANSMITTER



- 1 Ethernet Port
- 2 Power Port—plug in the power supply
- 3 EDID and Reset
- 4 Power Indicator
- 5 HDMI Indicator
- 6 HDMI Input Port

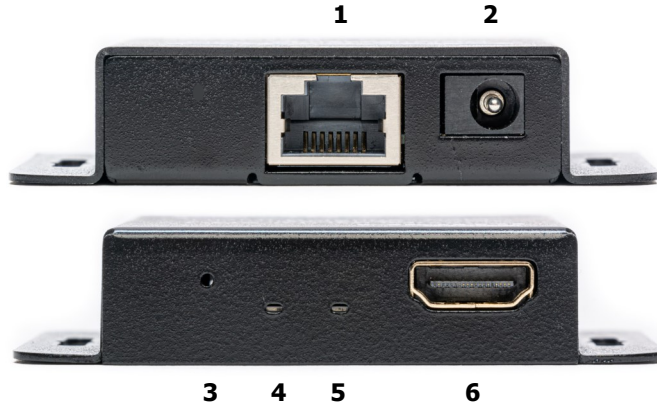
NOTE:

When the sink can't display the signal, connect the HDMI transmitter to the display device. Plug the power supply into the transmitter and press the "EDID copy button". When the light flashes, the EDID data has been copied from the display device successfully.

The EDID will reset to the default setting when the EDID copy button is pressed and held for 3 seconds.

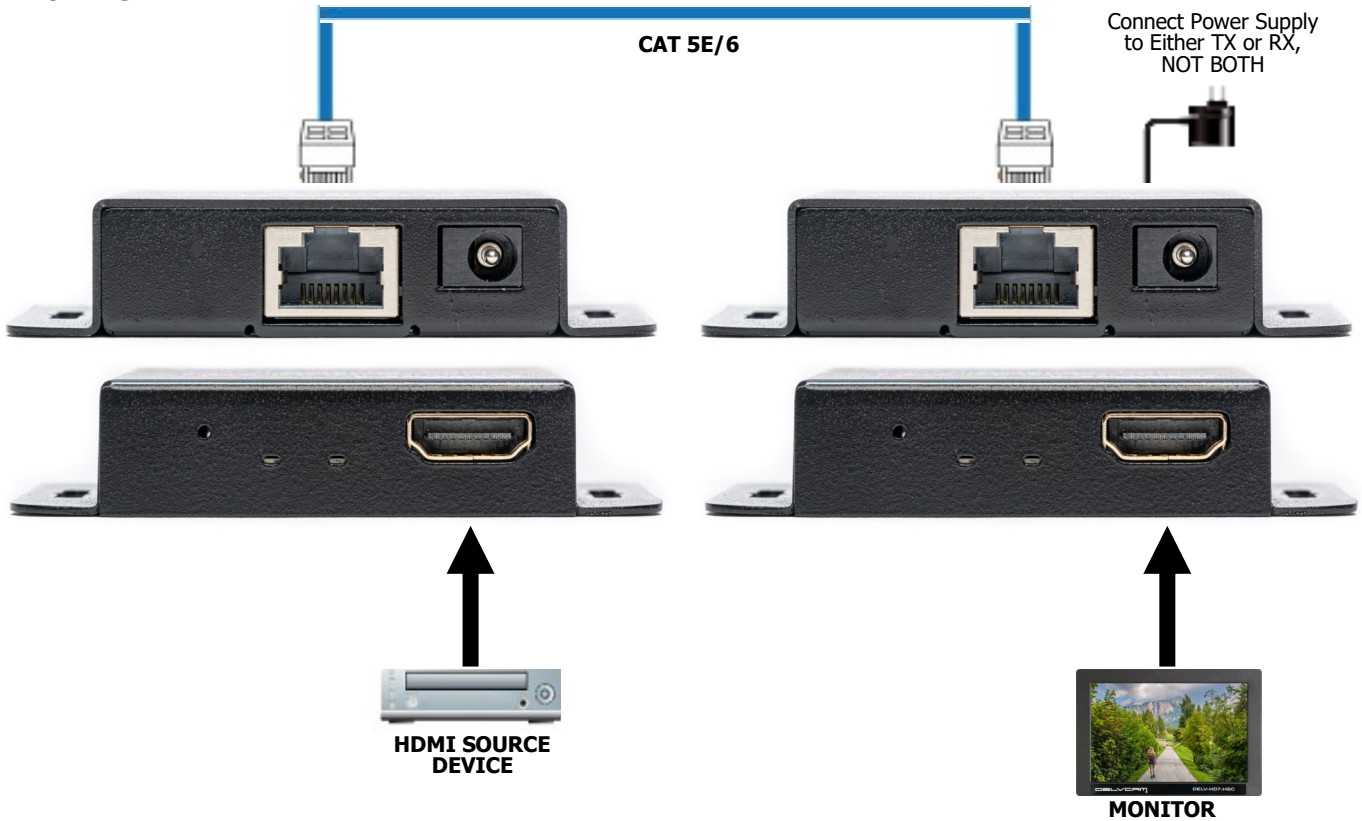
Operation Controls

Receiver



- 1 Ethernet Port
- 2 Power Port—plug in the power supply
- 3 Factory Use Only
- 4 Power Indicator
- 5 HDMI Indicator
- 6 HDMI Output Port

Set Up Diagram





TROUBLESHOOTING

Issue	Question	Explanation
No Picture	<ol style="list-style-type: none"> 1. Are you using on a VLAN (Virtual Local Area Network)? 2. Is the signal destination HDCP (High-bandwidth Digital Content Protection) compliant? 3. Does the source signal match one of these resolutions?: 480i@60Hz; 480p@60Hz; 576i@50Hz; 576p@50Hz; 720p@50/60Hz; 1080i@50/60Hz; 1080p@50/60Hz; 4. How long are your cable runs? 	<ol style="list-style-type: none"> 1. If using with a VLAN, make sure it is IGMP (Internet Group Management Protocol) capable and ports have UDP (User Datagram Protocol) enabled 2. The output of the OMX-HDMI-2-IP is automatically encrypted with HDCP. There will be no picture if the destination device is not HDCP compliant (capture cards mostly) 3. Source resolution must be supported by the OMX-HDMI-2-IP in order to display 4. Maximum Length: Cat5 262 ft, Cat5e 328 ft. Cat6 393 ft. If HDMI cables exceed 50 feet, try a shorter cable
No Picture and Message saying "Searching TX"	Is the transmitter power supply connection loose?	If the power supply connection is loose on the transmitter, the receiver may not be able to make a connection consistently. Secure the connection or replace the power supply (Item# OMX-DC5V21MM).
Intermittent picture—picture randomly drops in and out	Are you running your signal through any other devices in the chain?	<p>This is usually an EDID (Extended Display Identification Data) issue. The display needs to send its table of acceptable resolutions (EDID) all the way back to the source device each time a connection is requested in order for the source to choose the best possible output resolution.</p> <p>There is a window of time in which this must take place depending on the equipment. If the signal takes too long for some reason (network traffic, cable length/speed, latency in other connected equipment) there will be no display. If you are constantly having this problem, we suggest an EDID emulator which will store the correct resolution settings at the display side, eliminating the need to go to the source for that information.</p> <p>If you are running through a network, we suggest a dedicated network switch be used to prevent potential drop outs. To check if the switch may be the issue, take the switch out of the equation and try a point to point setup to see if the drop outs occur.</p>

SAFETY PRECAUTIONS

- To prevent fire or shock hazard, do not expose this equipment to dust or high humidity. Do not use in an unprotected outdoor installation or in areas classified as overly damp or wet.
- The installation temperature should be kept between 32°F to 140°F (0°C to 60°C). Avoid direct sunlight exposure or extreme changes of temperature over a short period of time.
- Do not place the unit on an unstable base and avoid heavy impact.
- Proper ventilation is required for permanent installation. Do not block enclosure openings as they protect the unit from overheating.
- Prior to cleaning, turn the power off and unplug the unit from all connections. Do not use liquid or aerosol cleaners.
- Do not overload outlets and extension cords as this may result in a risk of fire or electric shock.
- Enclosure entry is dangerous. Never push objects of any kind, including liquids, through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
- Do not open or service this unit yourself as opening or removing covers may expose you to dangerous voltage and other hazards.
- There are no user-serviceable parts inside the units. If service is required, contact your authorized dealer or repair service company.