

OMX-01HMHM0007

Ocean Matrix 4K/60Hz 4:4:4 HDR HDMI
PoC Extender up to 164 Feet over Cat6

/// OPERATION MANUAL



Description:

The Ocean Matrix OMX-01HMHM0007 is a 4K/60Hz 4:4:4 HDR HDMI extender that extends 4K signal up to 50m and 1080p up to 70m over CAT6/6A/7 cable. With zero-latency transmission, EDID passthrough, auto-downscaling, and an HDMI loop-out function, the OMX-01HMHM0007 is the ideal extender for monitoring systems, education, conference rooms and home theaters.

Features:

- Zero latency transmission
- Extend 4K@60Hz HDMI signals up to 50m over CAT6/6A/7 cable
- Supports HDR10
- PoC functionality
- EDID passthrough and auto downscaling
- HDMI loop out
- IR passthrough
- Lightning protection, surge protection, ESD protection

Specifications:

- Maximum Transfer Rate: 18Gbps
- Maximum Transmission Bandwidth: 600MHz
- Compatibility: HDMI 2.0 (deep color, 4K, HDR, YUV4:4:4), HDCP 2.2, HDCP 1.4
- Supported Resolutions: 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz, 3840x2160@24/25/30/50/60Hz, 2048x1080, 1920x1440, 1920x1080, 1280x960, 1280x800, 1280x768, 1680x1050, 1360x768, 1366x768, 1600x900, 1024x768, 800x600
- Transmission Distance: 4K - 50m / 1080p - 70m
- Audio Formats: LPCM/DTS-HD/DTS-Audio/Dolby Digital 5.1CH/Dolby Atmos
- IR Interface: TX: 1x3.5mm IR OUT Female / RX: 1x3.5mm IR IN Female
- Power Supply: DC5V/500mA
- Power Consumption: TX < 2.3W / RX < 1.5W
- Working Temperature: -20°F - 140°F (-20°C - 60°C)
- Storage Temperature: -22°F - 158°F (-30°C - 70°C)
- Dimensions (LxWxH): TX & RX: 3 x 2.3 x 0.83in
- Weight: TX 0.2813lbs / RX 0.2813lbs



Item Includes:

- OMX-01HMHM0007 Extender Set (1 x Transmitter / 1 x Receiver)
- 1 x DC to USB Power Cable
- 1 x IR Blaster Extension Cable
- 1 x IR Receiver Extension Cable



Operation Controls and Functions:



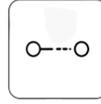
Zero Latency



4K60Hz HDR



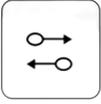
Visually Lossless



50M



Auto Downscaling



IR Passback



HDMI Loop Out



21:9 Resolutions



7x24 Hours



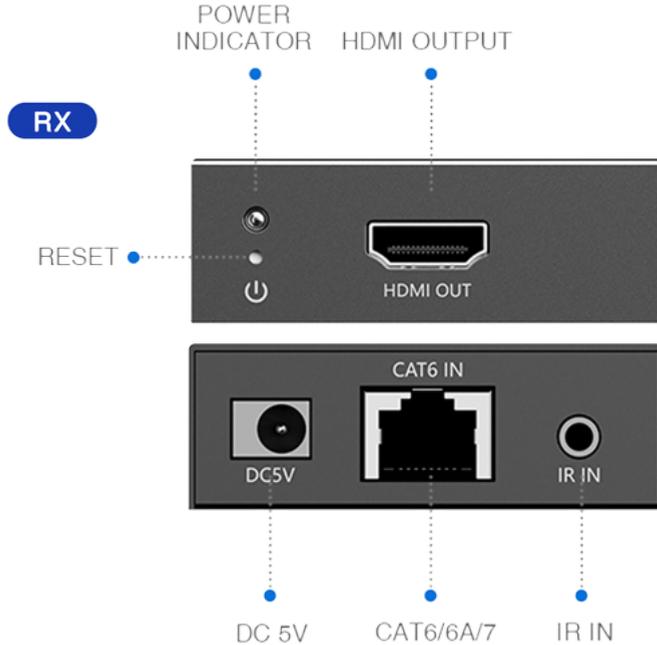
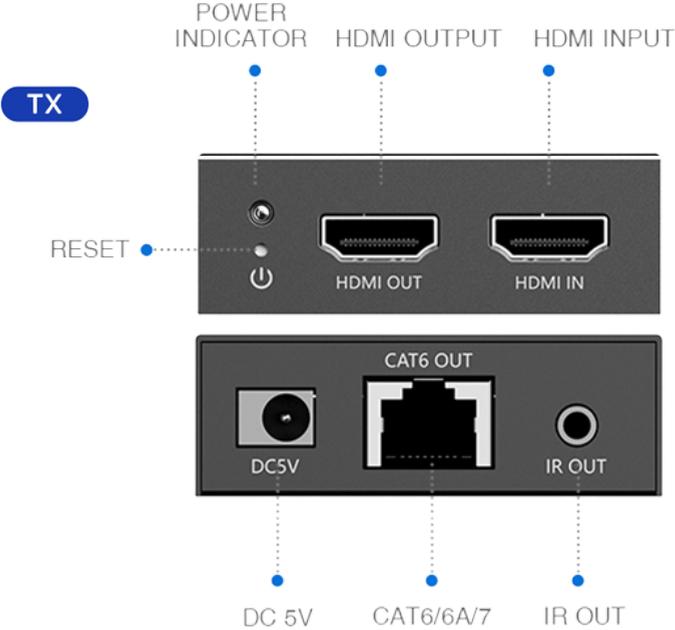
Lightning Protection
Surge Protection
ESD protection

Auto Downscaling

According to the EDID information of the display, it automatically matches and outputs the best display resolution, and can output 4K and 1080P signals at the same time



Operation Controls and Functions:



PRODUCT SERVICE

Damage requiring service:

- The unit should be serviced by qualified service personnel if:
 - (a) The DC power supply cord or AC adaptor has been damaged
 - (b) Objects or liquids have gotten into the unit
 - (c) The unit has been exposed to rain
 - (d) The unit does not operate normally or exhibits a marked change in performance; The unit has been dropped or the cabinet is damaged.
- (2) Servicing Personnel: Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- (3) Replacement parts: When parts need replacing ensure the servicer uses parts specified by the manufacturer. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- (4) Safety check: After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install the unit:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit

WARRANTY

1 Year



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