

OMX-HDMI-HDB1X8

Ocean Matrix 1x8 HDMI Extender Splitter

Set - 1080p60 Over CAT5/5e/6

OPERATION MANUAL



Description:

The Ocean Matrix OMX-HDMI-HDB1X8 splitter extender system over a single Cat5/Cat5e/Cat6 distributes 1 HDMI source to 8 HDMI displays simultaneously. This system extends high definition audio/video transmission beyond the standard distances for HDMI cable limitations via HDbiT technology. The OMX-HDMI-HDB1X8 delivers full 1080P HDMI signal up to 394 feet over a single Cat6 network cable. An IR signal transmission allows for remote control of the source at a secondary location with IR extension cables (included).

Ideal for projection screens, remote conferencing, CCTV, high-end security, and remote HD monitoring.

Features:

- Splits a single HDMI input signal into 8 HDMI output signals identical to the input
- Extends HDMI signals up to 80m (CAT5) 100m (CAT5e) and 120m (CAT6)
- Supports full HD resolutions up to 1080p@60Hz
- Plug and play
- Rugged metal mountable housing
- Lightning, surge, and ESD protected

Specifications:

- Inputs: 1 x HDMI
- Outputs: 8 x RJ45
- HDMI Version: HDMI1.3 Compatible with HDCP1.4
- Supported Resolutions: 480i@60Hz / 480p@60Hz / 576i@50Hz / 576p@50Hz / 720p@50/60Hz / 1080i@50/60Hz / 1080p@50/60Hz
- Transmission Distance: 1080p 60Hz up to 120m with full HD over a single CAT6 cable
- IR Signal: Supports 20-60kHz IR device
- Operating Temperature: 32°F - 140°F (0°C - 60°C)
- Power Supply: DC12V/3A
- Power Consumption: < 24W
- Dimensions (LxWxH): TX: 11.75 x 4.33 x 1.17in RX: 3.70 x 3.80 x 0.93in
- Weight: TX: 1.75lbs RX: 0.30lbs

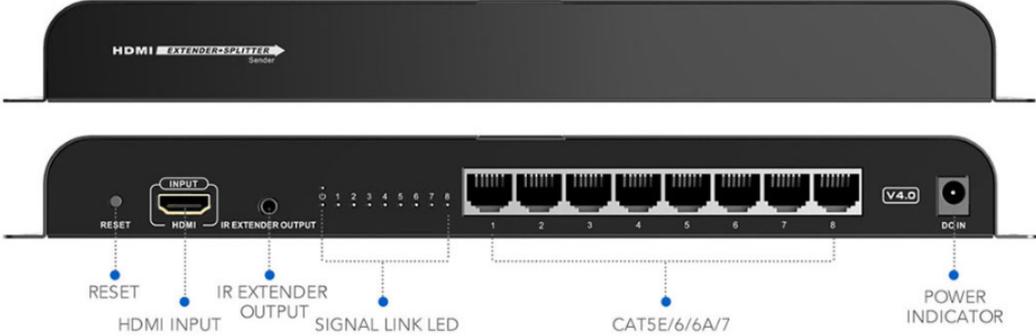
Item Includes:

- 1 x OMX-HDMI-HDB1X8 Extender Set (1 x Extender 8 x Receivers)
- 1 x DC12/3A Adapter
- 8 x DC5/1A Adapter
- 1 x IR Blaster Extension Cable
- 8 x IR Receiver Extension Cable



Operation Controls and Functions:

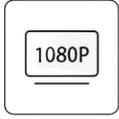
Transmitter:



Receiver:



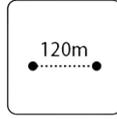
Operation Controls and Functions:



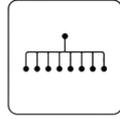
1080p@60Hz



Lower Latency



120m Transmission



1 in 8 Out



IR Passback



Plug and Play



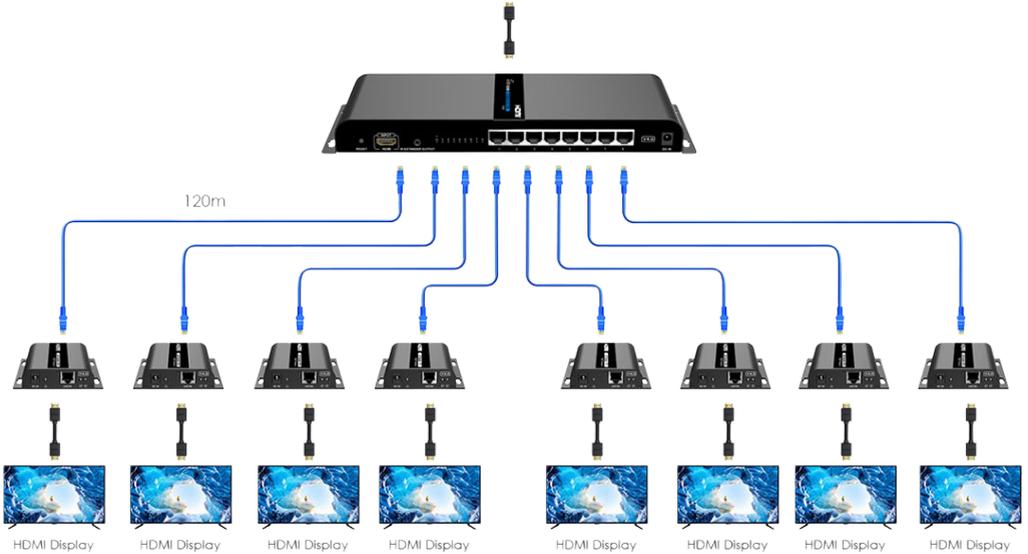
7x24 Hours



Lightning Protection
Surge Protection
ESD Protection



HDMI Source



Installation:

Cat6 Network Cable - follow the IEEE-568B wiring standard:

1. Orange/White
2. Orange
3. Green/White
4. Blue
5. Blue/White
6. Green
7. Brown/White

Connection:

1. Connect HDMI input with HDMI output of source device
2. Connect IR blaster extension cable to the IR extender out port
3. Connect RJ45 port with RJ45 input port of HDMI extender RX
4. Connect HDMI output of HDMI extender RX to HDMI input of HDTV and set the source input to the correct HDMI input channel

Troubleshooting:

- **Display shows "Waiting for Connection":**
 - Ensure power supply is firmly connected
- **Display indicates there is a signal loss:**
 - Check all connections
 - Connect the signal source directly to the display device to ensure there is a signal output. Change the signal source if necessary.
- **Degraded video signal:**
 - Check cable lengths between the TX to the switch, the switch to RX
 - Ensure the connection between each level is within required ranges
 - Press the RESET button on the TX/RX front panel, reset and reconnect

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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