

# OMX-01HMHM0003 MANUAL

## HDMI 1080P@60Hz EXTENDER OVER SINGLE CAT5e/6 WITH PoC





## Table of Contents

Safety Precautions.....	Page 3
Introduction.....	Page 4
In the Box.....	Page 4
Features.....	Page 4
Specifications.....	Page 4
Installation Requirements.....	Page 5
Transmitter (TX).....	Page 5
Receiver (RX).....	Page 6
Installation and Connection.....	Page 7
Connection Diagram.....	Page 7
Connection Instructions.....	Page 7
Support & Warranty.....	Page 8

## **Safety Precautions:**

Please read all instructions before installing or operating this equipment and connecting the power supply.

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

1. To prevent fire or shock hazards, do not expose this equipment to high humidity and/or dust. Do not use in an unprotected outdoor installation nor any area classified as overly damp or wet.
2. The temperature for installation should be kept between -4°F and 140°F (-20°C and 60°C). Avoid direct sunlight exposure or extreme temperature changes over a short period of time.
3. Do not disassemble or place the unit on an unstable base.
4. Do not drop the unit and avoid heavy impacts.
5. This unit should not be permanently installed unless proper ventilation is provided. Any enclosure openings must not be blocked or covered as they protect the unit from overheating.
6. Before cleaning, turn off the power and unplug the unit from all connections. Use a damp cloth. Do not use liquid cleaners or aerosol cleaners.
7. Do not overload outlets and extension cords, as this may result in a risk of fire or electric shock.
8. Never push objects of any kind, including liquids, into this unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
9. Do not attempt to open or service this unit yourself; opening or removing covers may expose you to dangerous voltage and other hazards.
10. The unit does not contain user-serviceable parts. Contact your authorized dealer or an authorized repair service company if it requires service.

## Introduction:

The Ocean Matrix OMX-01HMHM0003 Extender sends 1080P@60Hz HDMI signals up to 196 feet (60m) over a single CAT5e/6 cable. Features one-way PoC (Power over Cable) for simplified installation. It is ideal for digital signs, trade shows, small offices, classrooms, retail settings, and houses of worship where the HDMI video sources are located farther than conventional HDMI signals can reliably travel.

## In the Box

- Transmitter x1
- Receiver x1
- DC 5V/1A x1



## Features:

- High-definition resolution up to full HD 1080p@60hz YUV4:4:4
- Transmits DVI/HDMI and audio up to 196 feet (60m) over CAT5e/6 without signal degradation
- Supports 3D
- Supports one-way PoC (Receiver powered by Transmitter)
- Rugged metal enclosure

## Specifications:

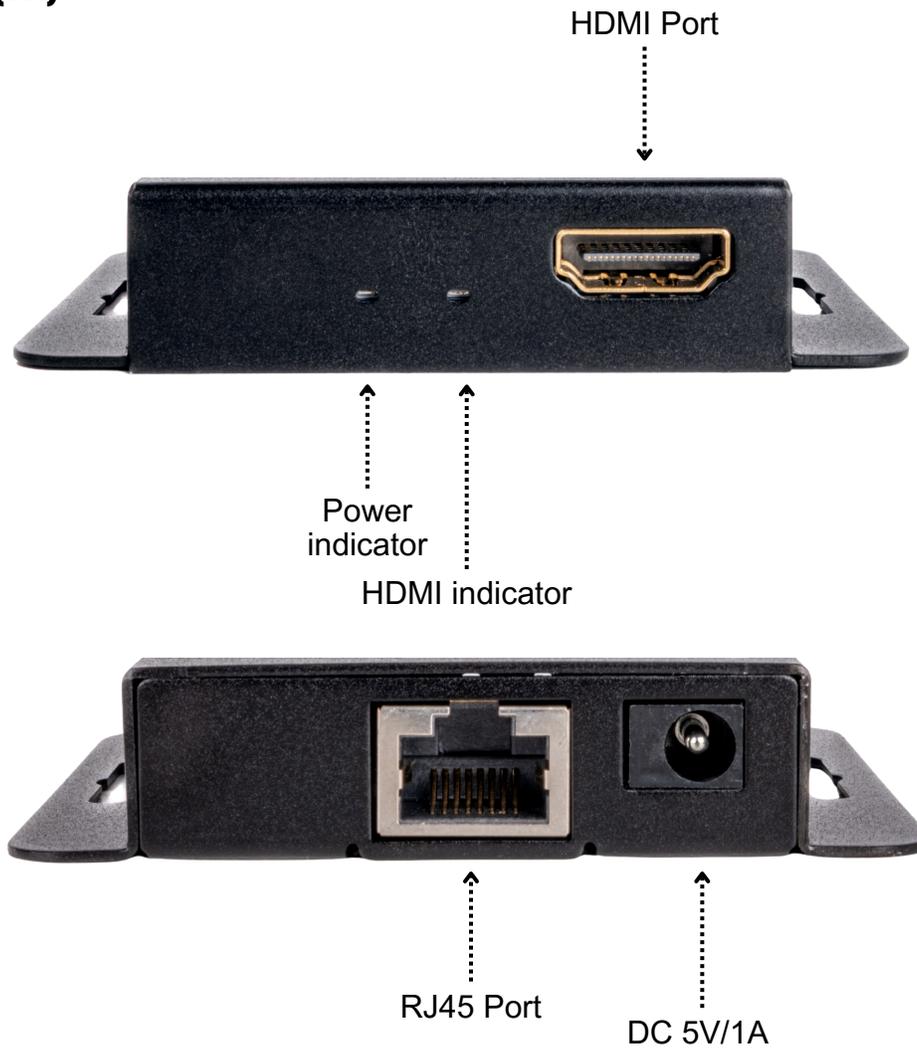
Input Video Signal	0.5-1.0 Volts P-P
Input DDC Signal	5 Volts p-p(TTL)
Video Output	HDMI
Video Formats	DTV/HDTV:720p/1080i/1080P 3D Video
Audio Formats	LPCM 2.0 48Khz
Transmission Distance	196ft (60m) over a Single CAT5e/6 without signal loss
Power Consumption	2 Watts (Max)
Power Supply	DC 5V/1A
Dimensions (LxWxH)	TX/RX each: 3.13 x 2.6 x 0.63 inches
Weight TX and RX	8.2oz

## Installation Requirements:

1. HDMI source device (Game console, Cable Box, PC, etc.)
2. HDMI display device (TV, projector with HDMI port)
3. HDMI cable: Standard HDMI 2.0 Cable
4. CAT5e/6 Cable

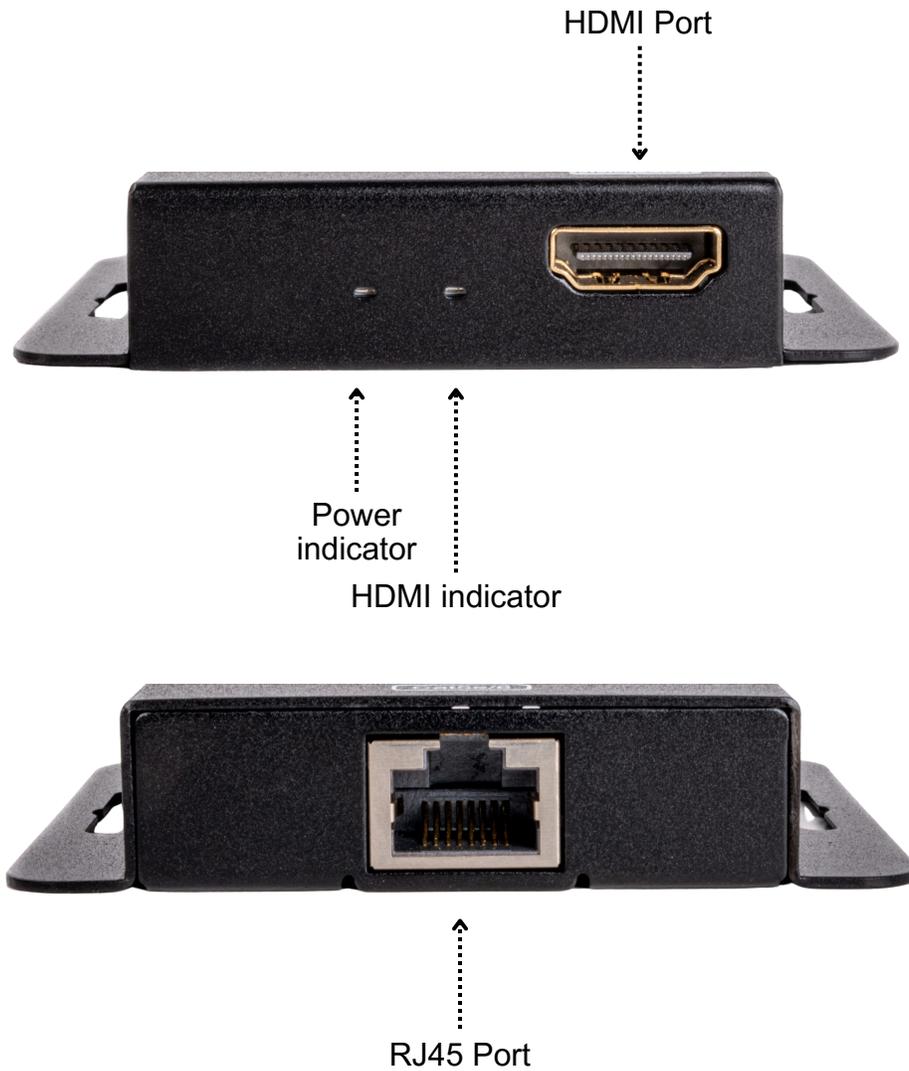
## Panel Description:

### Transmitter (TX):



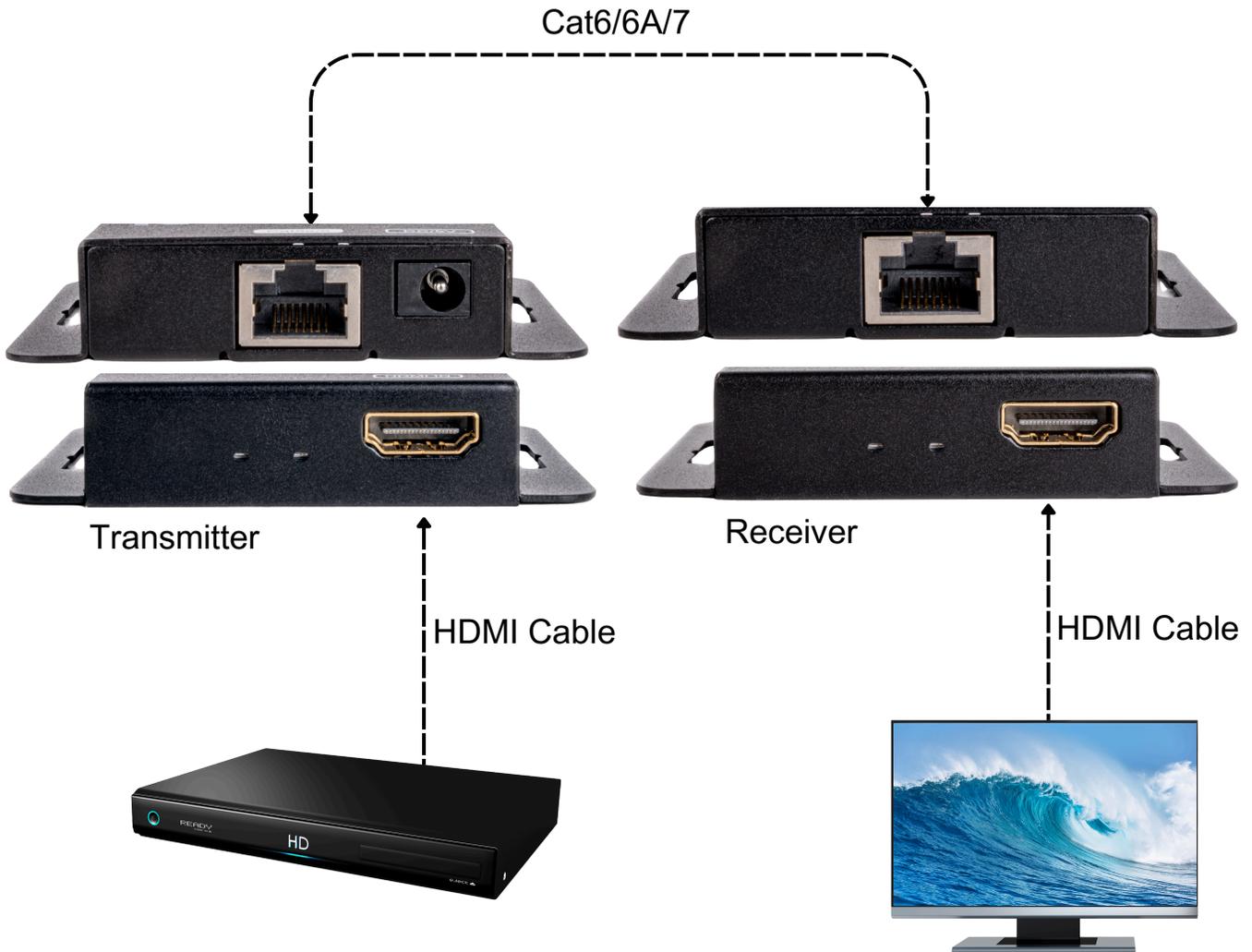


## Panel Description: Receiver (RX):





## Installation and Connection: Connection Diagram:



## Installation and Connection: Connection Instructions:

1. Connect the source device to the HDMI input port on the Transmitter with an HDMI cable.
2. Connect the display device to the HDMI output port on the Receiver with an HDMI cable.
3. Connect the transmitter and receiver with CAT5e/6 or higher network cable

## **Support & Warranty:**

Ocean Matrix products are warranted for one (1) year from the date of purchase, with parts and labor included. Our objective is to maintain engineering excellence and an R&D laboratory dedicated to the latest technology compliance testing. We strive for exceptional quality every day to ensure your confidence in our products and our commitment to your success.

This warranty is limited to defects or failures in hardware workmanship, materials, or functionality and does not cover customer damage, abuse, or unauthorized modification. If this product fails or does not perform as warranted, your recourse shall be repair or replacement. Under no condition shall Ocean Matrix be liable for any damage incurred through the use of this product. This damage includes but is not limited to lost profits, lost savings, or incidental or consequential damage arising from the use of or inability to use this product.

Ocean Matrix specifically disclaims all other warranties, expressed or implied, and the installation or use of this product shall be deemed as an acceptance of these terms by the user. All warranty claims must be submitted with proof of purchase from an authorized distributor or reseller.

Ocean Matrix reserves the right to repair or replace items identified as within warranty. To determine warranty product failures, all warranty repairs must be returned freight prepaid, insured, and inspected before any in-warranty or out-of-warranty repairs occur.