

Extend your HDMI



Up to 330 Ft



2024 **BEST OF SHOW**
InfoComm

OMB-HM



OPHIT USA, INC.
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HDMI Extender



High Speed

Long Range



Up to 330 Ft



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Best of SHOW Award Winner – *Sound & Video Contractor Category, InfoComm 2024*

We are thrilled to announce that the **OMB-HM** has been recognized as the **Best of SHOW** award winner at the 2024 InfoComm Show. This honor reflects its **exceptional quality** and **unmatched performance**, redefining the standards for HDMI extenders.

What Makes the OMB-HM Exceptional?

The OMB-HM is a **standalone HDMI 2.0 optical fiber extender**, delivering unmatched **4K UHD resolution** and robust performance that excites even the most seasoned audiovisual professionals.

Key Features & Specifications

- **Ultra-High Resolution:**
 - Supports true **4K** resolution (3840×2160).
- **Reliable Long-Distance Transmission:**
 - Transmits **4K UHD up to 100 meters (330 ft)** over optical multi-mode fiber with **zero signal loss**.
- **Compliance:**
 - Fully compliant with the **HDMI v2.0** standard.
- **Seamless Integration:**
 - Uses **HDMI 19 Pin (male)** and **MPO connectors**, ensuring compatibility with **OM3/OM4 fiber** for effortless system setup.
- **Advanced Control:**
 - Features **CEC control**, **EDID**, and **HDCP** support.
- **Certified for Safety:**
 - CE and FCC certified for **EMI protection** and reliability.
- **Optional Rack Mount:**
 - 19RM-003 rack mount holds up to 8 OMB-HM extenders.



OMB-HM: HDMI Extender



Versatile Applications

The compact, plug-and-play OMB-HM is ideal for:

- **Digital Signage**
- **Video Walls**
- **Media Broadcasting**
- **Video Conferencing**
- **Large Venues & Auditoriums**
- **Control Rooms**
- **Medical Video Integration**



Up to 330 Ft

No matter your setup, the **OMB-HM** integrates seamlessly to deliver reliable, high-performance video connections.

Why Choose the OMB-HM?

- **Cutting-Edge Technology:** Supports **4K UHD resolutions** with HDMI 2.0 compliance.
- **Plug-and-Play Simplicity:** Hassle-free installation with built-in **EMI protection**.
- **Unmatched Versatility:** Perfect for various industries and applications.

Experience the Future of AV Technology

Don't miss out on this revolutionary product. The **OMB-HM** is ready to elevate your audiovisual projects to new heights.

Contact us today to learn more or schedule a demo!



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HDMI 2.0 Fiber Optic Extender



OMB-HM

OMB-HM supports up to 4K UHD (3840 x 2160) signals via HDMI 2.0 transmission over an 8-core MPO-connected multimode fiber for long-distance transmissions up to 100 meters (330 feet). This compact-size extender offers simple plug-and-play installation and electromagnetic interference (EMI) protection improves reliability and secures the connection between the source and the device.

Feature Highlights

- Compatible with HDMI 2.0
- Supports OM3 fiber with 8-core MPO-connected
- CEC control, EDID, and HDCP
- EMI & Safety: CE, FCC
- 19RM-003 rack mount available

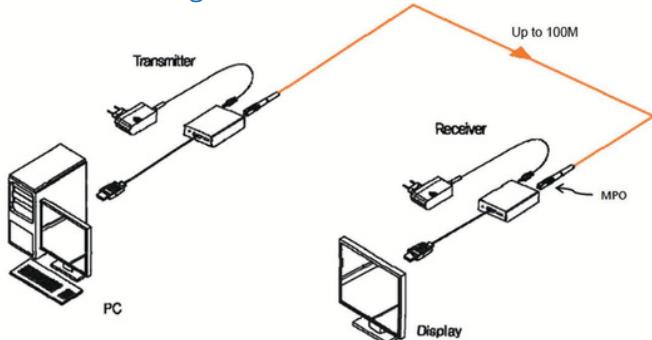
Optical

- Optical Source: VCSEL laser
- O/E Converter: PIN Photo Diode
- Using fiber: 8-core (or 12-core), MPO fiber cable (50/125um, OM3, Polarity type A)

Specifications

	Transmitter	Receiver
Signal		HDMI 2.0
Video Bandwidth		18.0 Gbps
Supporting Resolution & Distance		Up to 4K UHD (3840x2160) & 100 meters (330 feet)
Connector / Fiber		HDMI 19 Pin (Female) / MPO
Power Consumption	1.7W (Typical)	0.95W (Typical)
Dimensions	69Wx21.1Dx36.8H(mm) / 2.7"W x 0.83"D x 1.44"H (inches)	
Environment	Operating Temperature Range: 0°C ~ 50°C (32°F ~ 122°F) Storage Temperature Range: -20°C ~ 70°C (-4°F ~ 158°F)	

Connection Diagram



Typical Applications

- Digital Signage / Video Wall / Media Broadcasting / Video Conferencing / Large Venue Auditoriums / Control Rooms / Medical Video Integration (Operating Room)

Package

- Transmitter (Tx) and Receiver (Rx)
- HDMI Cable x2
- Power Adapter x2
- User's Manual x1

Ordering Information

OMB-HM
Model name



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