

4K HDMI Extender over CAT.x Cable with Bidirectional IR, Long Reach, PoH, 100M

Specifications

Model Number	Transmitter	Receiver
EVBMR-M310ES	EVBMR-310EL	EVBMR-310SR
EVBMR-M307ES	EVBMR-307EL	EVBMR-307SR
MAX. Resolution	3840x2160@30Hz (4:4:4) 3840x2160@60Hz (4:2:0)	
Video Extension	HDMI x 1 (In)	HDMI x 1 (Out)
IR Extension	3.5mm IR Jack x 1 (Out) 3.5mm IR Jack x 1 (In)	3.5mm IR Jack x 1 (In) 3.5mm IR Jack x 1 (Out)
HDCP Compliance	HDCP 1.4	
HDBaseT Interface	RJ45 x 1 (CAT.5e/6/7)	
Extension Range	MAX. 70 Meters@4K MAX. 100 Meters@1080P	
Power Supply	(Optional DC 12V)	DC 48V (PoH)
Operation Environment	0~40°C, Humidity<80%	
Storage Temperature	-20~60°C	
Material	Metal	
H x W x D (mm)	35 x 140 x 85	35 x 140 x 85
Weight (g)	455	455

Features

- Allows Reliable Remote Access of An HDMI Video Source via a CAT.x Cable Up to 100 Meters (328 feet)
- HDMI Video Supports Most Popular Resolutions Up to 4K@30Hz (4:4:4)
- HDR10 Support for Best Visual Experience
- HDCP 1.4 Compliance Ensures Uninterrupted HD and UHD Video Playback
- Support HDMI CEC
- HDBaseT Uncompressed Video Extension Ensures Crystal Clear Image and Low Latency
- Bidirectional IR Extension Facilitates Remote Control of Sources or TVs
- PoH (Power over HDBaseT) Allows The Transmitter to Be Powered by The Receiver (DC 48V)
- HDBaseT Long Reach Mode Allows 150M Extended Range at 1080P (-M310ES Only)
- HDBaseT Auto Power Saving Mode Put The Extenders to Sleep when There's No Incoming Signal



Overview

The 4K HDMI Extender over CAT.x Cable with Bidirectional IR Extension, PoH, 100M, EVBMR-M310ES, allows reliable remote access of an HDMI video source via a CAT.x cable up to 100 meters.

Product Family

Model	Video & Range	IR	RS232	PoH / PoC	Ethernet	Long Reach
EVBPR-M139	HDMI 4K@30Hz (4:4:4) Up to 100 Meters (EVBPR-M139 : DisplayPort)	2-Way	N/A	PoC	N/A	Yes
EVBMS-M110		1-Way	Yes	PoC		N/A
* EVBMR-M310ES		2-Way	N/A	PoH ^(R)		Yes
EVBMR-M210		2-Way	N/A	PoH		Yes
EVBMR-M110		2-Way	N/A	PoC		N/A
EVBMR-M210		2-Way	Yes	PoH		Yes
EVBMR-M110		2-Way	Yes	PoC		No
EVBMR-M310ES		N/A	N/A	PoH ^(R)		N/A
EVBMR-M110		N/A	N/A	PoC		N/A
EVBPR-M137		2-Way	N/A	PoC	N/A	N/A
EVBMS-M107	HDMI 4K@30Hz (4:4:4) Up to 70 Meters (EVBPR-M137 : DisplayPort)	N/A	Yes	PoC		
* EVBMR-M307ES		2-Way	N/A	PoH ^(R)		
EVBMR-M207		2-Way	N/A	PoH		
EVBMR-M107		2-Way	N/A	PoC		
EVBMR-M307ES		N/A	N/A	PoH ^(R)		
EVBMR-M107		N/A	N/A	PoC		

PoH^(R): Supplies Power from The Receiver
(Normal PoH Supplies Power from The Transmitter)

Connection Pattern

