

HDMI Extender

User Manual

Model : HE1-70M-1080P

Passive HDMI CAT5e Extender



Introduction

HE1-70M-1080P is an HDMI extender that uses an Ethernet cable to extend HDMI signal with transmission distance up to 70 meters and resolution up to 1080p. The RX unit has a built-in HDMI connector that allows the receiver to directly connect to an HDMI display without any external power required.

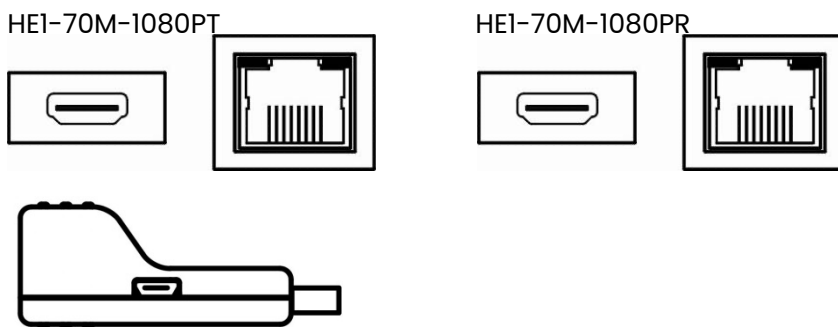
Features

- Supports HD-TVI, AHD, HDCVI, PAL, NTSC, SECAM video formats.
- Resolution up to 1080p@60Hz.
- Signal extension up to 70M.
- No external power required.
- Built-in micro USB port as a redundant power supply.

Installation



Panel View



Connect a 5V power adapter via built-in micro-USB at HE1-70M-1080PT when the source doesn't provide enough power to the receiver.

LED Indication

LED	LED Color	Function
Power	Green ON/ OFF	Power ON/ OFF
N/A	Yellow	Reserve

Transmission Chart

Resolution	Cable	Distance
1920x1200	CAT5e/ CAT6	40M
1920x1080	CAT5e/ CAT6	40M
1280x1024	CAT5e	60M
1280x 720	CAT5e	70M
1024 x768	CAT5e	70M

Supported Resolution

- 1920x1200@60Hz
- 1920x1080@60Hz
- 1680x1050@60Hz
- 1600x1200@60Hz
- 1600x900@60Hz
- 1440x900@60Hz
- 1280x1024@60Hz
- 1280x960@60Hz
- 1280x800@60Hz
- 1280x720@60Hz
- 1024x768@60Hz
- 800x600@60Hz

RJ45 Define

Wire Color	Data
Orange-white	TMDS DATA2 +
Orange	TMDS DATA2 -
Green-white	TMDS CLOCK + / HDMI 5V
Blue	TMDS DATA1 +
Blue-white	TMDS DATA1 -
Green	TMDS CLOCK - / GND
Brown-white	TMDS DATA0 +
Brown	TMDS DATA0 -

Caution

- HDCP is not supported.
- All cables must keep away from any equipment with electromagnetic wave, i.e.: microwave, ovens, mobile phones, radio equipment, and high voltage power line.
- Working distance may vary by connected devices and cables.
- The cables must be straight through to avoid crosstalk interference.
- It is recommended using high quality CAT5e/6 UTP cable, when distance over 30M.
- It is NOT recommended using STP or flat cable, which may cause video loss.

- Do NOT connect with any network device to avoid any damage.

Package Includes

No	Item	Quantity
1	HE1-70M-1080PT (Transmitter)	x 1
2	HE1-70M-1080PR (Receiver)	x 1
3	Micro USB to DC plug cable	x 1
4	Power Supply	x 1

Specification

ITEM NO.	HE1-70M-1080PT	HE1-70M-1080PR
Support		
Compliance	HDMI 1.3	
Video Bandwidth	2.25 Gbps	
Max. Resolution	1920x1200@60hz	
Transmission Distance	40M@1920x1200, 70M@1280x720	
Input TMDS Video Signal	1.2 Vp-p	
Input DDC Signal	5 Vp-p (TTL)	
Ports & Interfaces		
Video Input	1 x HDMI Type A	1 x RJ45
Video Output	1 x RJ45	1 x HDMI Type A
Power		
Power Connector	1 x Micro USB	N/A
Power Supply	5V 1A (Optional)	
Ambient Temperature		
Operation	-10 to 65°C	
Storage	-20 to 85°C	
Humidity	Up to 85%	
Physical Characteristics		
Dimensions	2.26" x .94" x .8" (57.5 × 24 × 20.2mm)	
Weigh	.05lbs (20g)	