

# HDMI CAT5E Extender Over Single cable Series

**ITEM NO.: HE01ERK**

The HE01ERK is an economic HDMI CAT5e extender, passive type. The application only use to extend your DVR/NVR HDMI signal distance up to 70 meters with resolution 1024x768. It provides an easy and flexible cabling solution for HD CCTV monitoring application.



## HE01ERK Passive HDMI CAT5e Extender

- **Special design to extend HD DVR/NVR HDMI signal only.**
- Include HE01SET transmitter, HE01SER receiver, used in pairs via one CAT5e/6 cable to send HDMI signal.
- HE01SER as active receiver for high performance.
- No external power required.
- Built in micro USB for external power when your HDMI source not able to provide enough power to the receiver.
- Support high resolution 1080p at 40M.
- Support long distance up to 70 meters at 1280x720.

## Installation:



HE01SET transmitter built in micro USB for external power when your HDMI source not able to provide enough power to the receiver. Please use micro USB to DC plug cable with 5V power adaptor (optional order) for external power.

Transmission Distance: The transmission distance will be affected from different DVR/NVR/ equipment and cable quality.

HE01SET to HE01SER	
Resolution/CAT5e	Distance(Meter)
1920x1200	40
1920x1080	40
1280x1024	60
1280x 720	70
1024 x768	70

## Support Resolution:

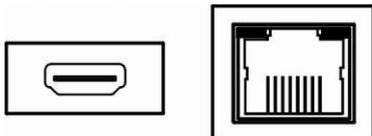
1920x1200@60Hz  
1920x1080@60Hz  
1680x1050@60Hz  
1600x1200@60Hz  
1600x900@60Hz  
1440x900@60Hz  
1280x1024@60Hz  
1280x960@60Hz  
1280x800@60Hz  
1280x720@60Hz  
1024x768@60Hz  
800x600@60Hz

## LED Indication:

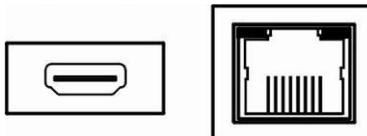
Green: Power on/off  
Yellow: Reserve

## Panel View:

HE01SET



HE01SER



## Cable:

Video Link cable using high quality CAT5E UTP or CAT6 UTP cable, CAT6 cable enhances transmission range and signal stability. Recommend to use CAT6 cable if distance over 30M. Do not use STP cable or flat cable which may cause no video output.

RJ45 Define:

Video Link (use TIA/EIA-568-B)

1. Orange-white	TMDS DATA2 +
2. Orange	TMDS DATA2 -
3. Green-white	TMDS CLOCK + / HDMI 5V
4. Blue	TMDS DATA1 +
5. Blue-white	TMDS DATA1 -
6. Green	TMDS CLOCK - / GND
7. Brown-white	TMDS DATA0 +
8. Brown	TMDS DATA0 -

## Caution:

1. The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, ovens, mobile phones, radio equipment, high voltage, power line.
2. Working distance will be variety based on different equipment.
3. The wiring must be straight through, do not circle the cable to avoid crosstalk interference.
4. HDCP not supported.
5. Do not use STP cable or flat cable which may cause no video output.
6. HDMI CAT5e Extender not networking product, please do not connect with any Ethernet to avoid any damage.

## HE01ERK Package Include:

HE01SET HDM Transmitter x 1 piece  
HE01SER HDMI Receiver x 1 piece  
Micro USB to DC plug cable x 1 piece

## Specification:

ITEM NO.	HE01SET	HE01SER
Video Bandwidth	2.25 Gbps (HDMI 1.3)	
Resolution	Up to 1920x1200@60hz	
Input TMDS Video Signal	1.2 Vp-p	
Input DDC Signal	5 Vp-p (TTL)	
Link Cable Distance	40M@1920x1200, 70M@1280x720	
HDMI Connector	HDMI Type A	
Link Connector	RJ45 x 1	
Power Connector	Micro USB x 1	X
Power Consumption	320mA	
Power Supply	5V 1Amp (Optional Order)	
Temperature	Operation: -10 to 65°C, Storage: -20 to 85°C, Humidity: up to 85%	
Dimension	mm	57.5 × 24 × 20.2
Weight	g	20



Rev.A