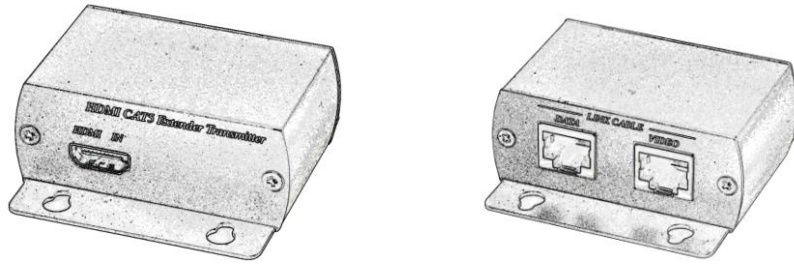


# HDMI CAT5 Extender – Economic type

ITEM NO.: HE01E

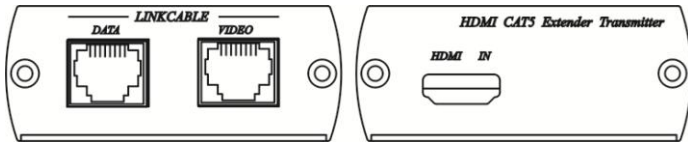


## HE01E HDMI CAT5 Extender Over two CAT5 Cable

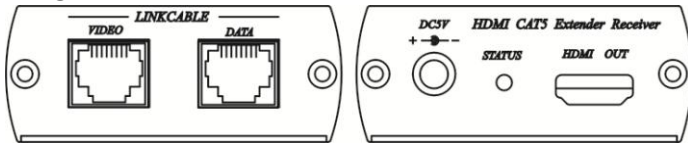
- Extends HDMI signal over two CAT5/5e/6 cables.
- Transmission range up to 60M at 1080i, 40M at 1080p resolution.
- Including local and remote unit.
- No power need within 30meters.
- External power supply requested at remote unit for transmission range over 30 meters.
- High quality digital video and audio over CAT5 without any signal loss.
- HDMI compliant.
- HDCP compliant.

## Panel view & Function:

### HE01ET



### HE01ER



## Cable:

Video Link cable using high quality CAT5e UTP or CAT6 UTP cable.  
Recommend to use CAT6 cable if the distance over 30M.

**Do not use STP cable which caused no picture.**

## Transmission Range:

The transmission range will be based on the cable quality and HDMI equipment.

Use CAT5E UTP cable up to 40M@1080p.

Use CAT6E UTP cable up to 40M@1080p.

Use CAT5E UTP cable up to 60M@1080i/720p.

## Power Source depends on working range:

There is no power need under 30 meters, the power could be using from HDMI equipment. If range over 30 meters, recommend to use external power adapter to avoid low power from HDMI source.

## RJ45 pin Define:

Video Link (TIA/EIA-568-B)

|                 |        |
|-----------------|--------|
| 1. Orange-white | DATA2+ |
| 2. Orange       | DATA2- |
| 3. Green-white  | CLOCK+ |
| 4. Blue         | DATA1+ |
| 5. Blue-white   | DATA1- |
| 6. Green        | CLOCK- |
| 7. Brown-white  | DATA0+ |
| 8. Brown        | DATA0- |

Data Link (TIA/EIA-568-B)

|                 |                 |
|-----------------|-----------------|
| 1. Orange-white | Reserve         |
| 2. Orange       | GND             |
| 3. Green-white  | DDC SCL         |
| 4. Blue         | Reserve         |
| 5. Blue-white   | Reserve         |
| 6. Green        | DDC SDA         |
| 7. Brown-white  | HDMI +5V        |
| 8. Brown        | Hot Plug Detect |

### HE01ER Status LED:

|           |  |
|-----------|--|
| [OFF]     | No power or power source is too low      |
| [Blue]    | Power source from external power adapter |
| [Red]     | Power source from HDMI Source            |
| [Flicker] | No video signal                          |

### Trouble shooting:

|           |  |
|-----------|--|
| Check LED |  |
| [OFF]     | Check Power Adapter.   |
| [Blue]    | Check Video Link Cable Length & Quality.<br>Check Video & Data Cable Connect.<br>Check HDMI Cable Connect.   |
| [Red]     | Check Video Link Cable Length & Quality.<br>Check Video & Data Cable Connect.<br>Check HDMI Cable Connect.<br>Add external power Adaptor at remote unit. |
| [Flicker] | Check Link Cable Connect,<br>Check HDMI Cable Connect.   |

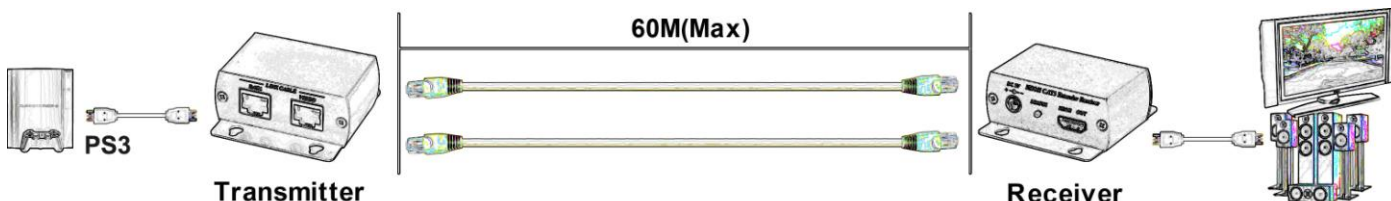
**Picture with noise:** Noise (signal too weak or low power)  
Check Video Link Cable Connect · Length · Quality.  
Add external power adaptor at remote unit.

**Picture disappear:** (signal too weak or with interference)  
Check Video Link Cable Connect · Length · Quality.  
Cabling away from EMI interference source.

### Caution:

1. This extender does not support "Deep color", please check your HDMI (BD) source must turn off "Deep Color" function if your HDMI source default with "Deep color" on.
2. The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

### Installation view:



### Specification:

| ITEM NO.            | HE01ET  | HE01ER                   |
|---------------------|---|--------------------------|
| Resolution          | 480i/480p/720p/1080i/1080p                                      |                          |
| Link Cable Distance | CAT5E 60M@1080i, CAT5E 40M @1080p                               |                          |
| HDMI Cable Distance | 28 AW HDMI Cables 5M @1080p                                     |                          |
| HDMI Connector      | HDMI A Type x 1 (Input)   | HDMI A Type x 1 (Output) |
| Link Connector      | RJ-45 Shielded x 1  |                          |
| Power Consumption   | X   | 250mA (Max)              |
| Power Supply        | X   | DC5V 1Amp                |
| Temperature         | Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95% |                          |
| DIMENSIONS          | mm  | 67 x 70 x 27             |
| Weight              | g   | 110                      |
|                     |   | 115                      |

RoHS CE FC

Rev. B