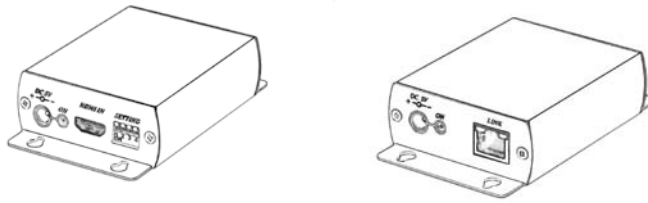


HDMI CAT5 Extender Over Single cable Series

ITEM NO.: HE01ST, HE01SR, HE01SLR, HE01SER

The HDMI CAT5 Extender is using only one cost effective CAT5E/6 cable to extend your HDTV display up to 70 meters at 1080i and 40 meters at 1080p. It is equipped with HDMI connectors and also supports DVI equipment with allowing used with a HDMI to DVI adapter. It provides an easy and flexible cabling solution for integrating home theater components.



HE01S HDMI CAT5 Extender – Single CAT5e cable

- Extends HDMI signal over one CAT5e/6 cable.
- HDMI 1.3 compliant.
- Transmission range up to 60M at 1080i, 40M at 1080p resolution.
- Built in auto equalization for easy plug and play.
- Transmitter unit built in EDID backup function.
- No external power requested at receiver unit under distance 30 meters.
- HDCP compatible.
- Optional HDMI CAT5e Receiver: HE01SLR, HE01SER.

Optional HDMI CAT5 Receiver

HE01SLR HDMI CAT5 Receiver – Chainable Function

- Work with HE01ST as receiver for extra remote HDMI display equipment.
- Built in Loop out, could be daisy chained for another HE01SLR to extended working range and multiple displays.
- Built in auto equalization, retiming, pre-emphasized for optimum performance.
- Transmission range up to 70M at 1080i, 30M at 1080p resolution.

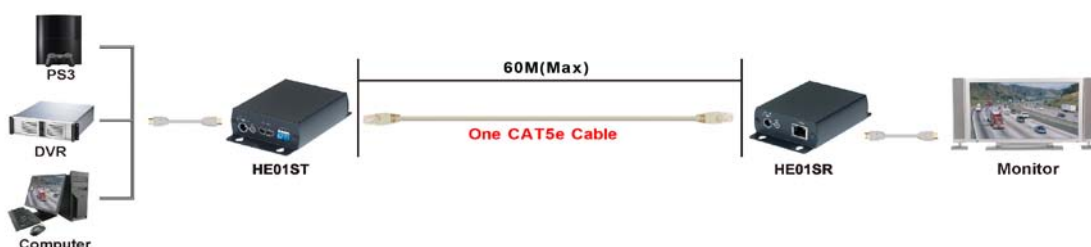


HE01SER HDMI CAT5 Receiver – Passive type

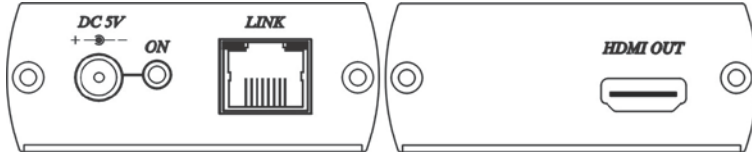
- Work with HE01ST as economic type receiver.
- Passive, no external power required.
- HDMI 1.3 compliant.
- Transmission range up to 60M at 1080i/720p, 40M at 1080p resolution.
- No external power requested at HE01SER receiver unit.



Installation view:



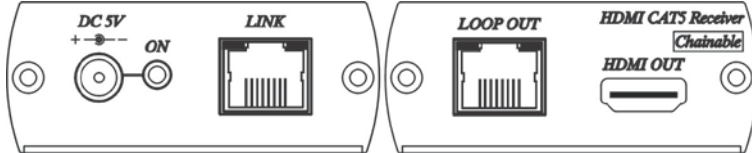
HE01SR



HE01SR Receiver Unit LED Indication:

BLUE ON	Using external power adapter
GREEN ON	Power and HDMI signal received from transmitter unit
YELLOW ON	No data input or signal too weak

HE01SLR



HE01SLR Receiver Unit LED Indication:

BLUE ON	Using external power adapter
GREEN ON	Power and HDMI signal received from transmitter unit
YELLOW ON	No data input or signal too weak

HE01SER



HE01SER Receiver Unit LED Indication:

GREEN ON	Sending power or video to receiver unit
YELLOW ON	No data input or unsupported video format

Cable:

Link cable using high quality CAT5e UTP or CAT6 UTP cable.
 CAT6 cable is recommend based on distance over 30 meters.
Do not use STP cable which caused no picture.

Transmission Distance:

The transmission distance will be affected from different HDMI equipment and cable quality. Lower resolution and good quality cable could extend longer distance up to 100 meters.

HE01ST to HE01SR	
Resolution/Cable	Distance(Meter)
1080p/CAT5e	40
1080p/CAT6	45
1080i,720p/CAT5e	60

HE01ST to HE01SLR	
Resolution/Cable	Distance(Meter)
1080p/CAT5e	30
1080p/CAT6	35
1080i,720p/CAT5e	60

HE01ST to HE01SER	
Resolution/Cable	Distance(Meter)
1080p/CAT5e	40
1080p/CAT6	45
1080i,720p/CAT5e	60

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 - / HDMI 0V
7. Brown-white	TMDS DATA0 +
8. Brown	TMDS DATA0 -

Caution:

1. The cabling must away from any equipment with electromagnetic wave, such as microwave ovens, mobile phones, radio equipment, power lines.
2. Our HDMI CAT5E Extender not networking product, please do not connect with any Ethernet to avoid any damage.

Specification:

ITEM NO.	HE01ST	HE01SR
Video Bandwidth	2.25 Gbps (HDMI 1.3)	
Resolution	480i/p, 720p, 1080i/p @ 24/50/60Hz	
Link Cable Distance	CAT5e 60M @1080i, CAT5e 40M @1080p	
Input TMDS Signal	1.2 volts peak to peak	
Input DDC Signal	5 Volts peak to peak	
HDMI Connector	HDMI 19 pin type female connector	
Link Connector	RJ-45 Shielded with 2 indication LEDS	
Power Supply	DC5V 2Amp	
Power Consumption	1200mA (Max)	700mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
Dimensions mm	67 x 120 x 27	
Weight g	180	175

ITEM NO.	HE01SLR	HE01SER
Resolution	480i/p, 720p, 1080i/p @ 24/50/60Hz	
Distance	Cat.5e 60M @1080i, Cat.5e 30M @1080p	Cat.5e 60M @1080i, Cat.5e 40M @1080p
HDMI Connector	HDMI Type A	
Link Connector	RJ-45	
Loop Out Connector	RJ-45	
Power Supply	DC5V 2Amp	X
Power Consumption	1150mA (Max)	X
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
Dimensions mm	110 x 67 x 27	57.5 x 24 x 20.2
Weight g	160	20



Rev. B