

# Wall Plate HDMI CAT5 Extender

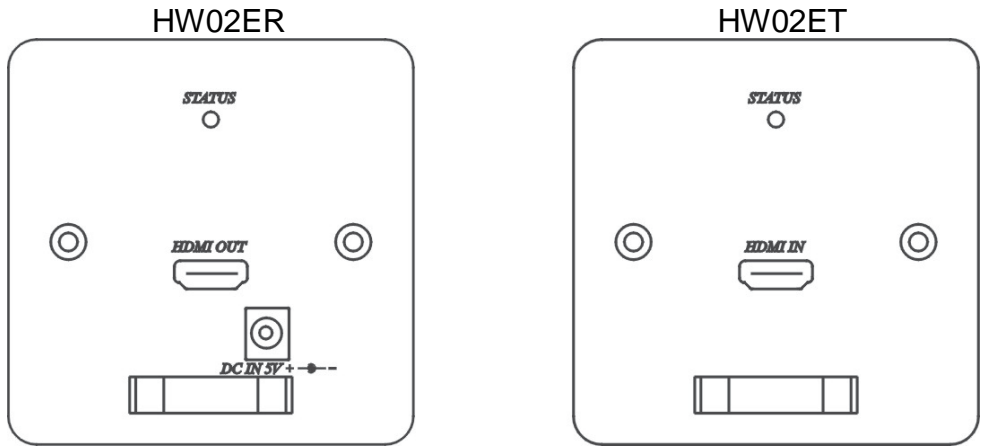
**ITEM NO.: HW02E Wall Plate HDMI CAT5 Extender**

HW02E Wall Plate HDMI CAT5 extender is designed to use two low cost CAT5E cable to extend HDTV sources from DVD players, Blu-ray Disc player PS3.

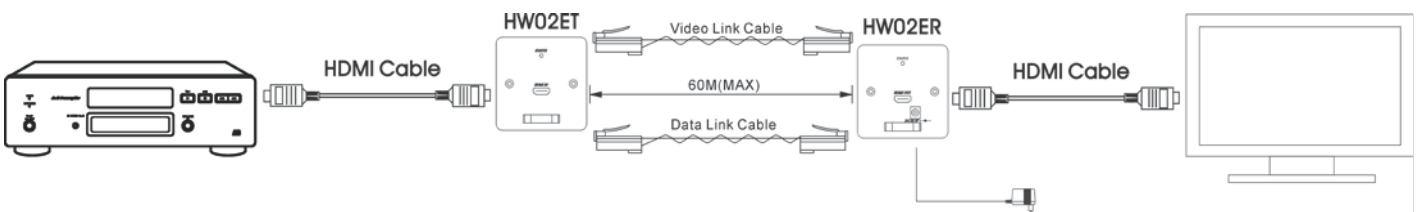
**Features:**

- Extends HDMI signal over two CAT5/5e/6 cables.
- Transmission range up to 60 meters.
- Support high resolution up to 1080p.
- Built in auto EQ function, no need to do any adjustment for different range.
- Fully HDCP compliant.
- HDMI 1.3a compatible, HDCP 1.1, support DDC, EDID, CEC, Hot Plug Detect.
- Receiver unit power could be sending from PCB inside 5V terminal or external 5V DC Jack.
- Package includes: transmitter and receiver unit, one external power adapter.

**Panel view & Function:**



**Installation view:**



Resolution	Transmission Range (Max.)
480i / 576i / 480p / 576p	60M
720p / 1080i	60M
1080p	50M

**Cable:**

Video Link cable using hi quality CAT5E UTP or CAT6 UTP cable, CAT6 cable enhances transmission range and signal stability.

Data Link cable using CAT5E UTP/STP cable,

It is not hi speed signal transmission, so using regular CAT5E UTP cable will be ok.

**RJ45 pin Define:****Video Link (TIA/EIA-568-B)**

1. Orange-white	TMDS Data2 +
2. Orange	TMDS Data2 -
3. Green-white	TMDS Clock +
4. Blue	TMDS Data1 +
5. Blue-white	Data
6. Green	TMDS Clock -
7. Brown-white	TMDS Data0 +
8. Brown	TMDS Data0 -

**Data Link (TIA/EIA-568-B)**

1. Orange-white	CEC
2. Orange	HPD
3. Green-white	SCL
4. Blue	HW02ER POWER
5. Blue-white	Data
6. Green	GND
7. Brown-white	SDA
8. Brown	HW02ET POWER

**LED Indication:**

HW02ET Status: Blue = normal.

Red = abnormal ( HDMI equipment power off or cable not have properly connection)

Off = No Power. (HDMI Source power off and no connect with HW02ER)

HW02ER Status: Blue = Normal.

Red = abnormal ( HDMI equipment power off or cable not have properly connection)

Off = No power or power source is too low

**Caution:**

1. The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.
2. HW02E Data Rate support up to 2.25Gbps, but not support 1080p Deep Color signal.

**Specification:**

ITEM NO.	HW02ET	HW02ER
Resolution	480i / 576i / 480p / 576p / 720p / 1080i / 1080p	
Data Rate	Max 2.25Gbps	
Link Cable Distance	CAT5E 60M@1080i , CAT5E 50M @1080p	
HDMI Connector	HDMI A Type x 1 (Input)	HDMI A Type x 1 (Output)
Link Connector	RJ-45 Shielded x 2	
Power Consumption	X	500mA (Max)
Power Supply	DC5V 1Amp	
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
DIMENSIONS mm	86 x 50 x 86	
Weight g	125	130

RoHS   

Rev. B