

# Smart Cabling & Transmission Corp

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## AV Transmission

### CE01A Composite Video & Audio CAT5 Extender

- 3 RCA female to RJ45 female.
- Passive, no power required.
- Used in pairs via one CAT5 UTP cable to send video and stereo audio up to 300 meters.
- Two ways audio and one video over one CAT5 cable.



### YE01A Component Video & Stereo Audio CAT5 Extender

- Send Component Video (YPbPr) and stereo audio over one CAT5 cable.
- Passive, no power required.
- Support up to HDTV (480i /480p/720p/1080i/1080p).
- Transmission distance up to 300 meters at 480p/480i.
- Transmission distance up to 100 meters at 1080p/1080i.



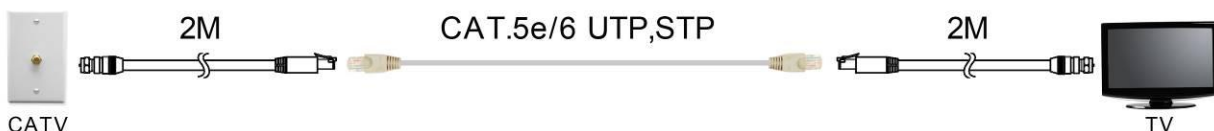
### YE01D Component Video (YPbPr) & Digital Audio/IR CAT5 Extender

- Identical to above YE01A model, but support Digital Audio or IR pass through instead of analog audio.



### CE01TV CATV CAT5 Extender (CATV BALUN)

- To send broadband CATV, VHF, VHF and FM signal over CAT5e cable.
- Shielded RJ45 male with 2M RG6 coax cable.
- Passive type, no external power required.
- Support bandwidth 40Mhz to 2.4Ghz.
- Distance up to 30M at 2.4Ghz frequency.
- Max. distance up to 100M based on low frequency.
- Work with CATV, satellite receivers, RF splitter and amplifier.
- Package include 2 units/a pair.



### AE02 Stereo/Mini Stereo Audio CAT5 Extender

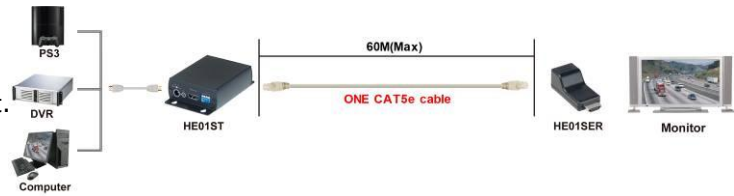
- Dual gold-plated RCA female + 3.5mm mini jack to RJ45.
- Choice of stereo audio or mini stereo audio by dip switch.
- Passive operation, no power need.
- 20Hz to 20Khz (-3db) Bandwidth.
- Hi Performance to eliminate the audio ground loop problem.
- Package include 2 units ( one pair).
- Used in pairs via CAT5 UTP cable to send stereo audio or mini stereo audio signal up to 600 meters.



## HDMI Transmission

### HE01SE 3D HDMI CAT5 Extender – Single CAT5E cable

- Transmission range up to 60M at 1080i/720p, 40M at 1080p resolution.
- Extends HDMI signal over one CAT5E/5e/6 cable.
- HDMI 1.3 compliant, 3D capable.
- Work with passive receiver as economic type.
- No external power requested at HE01SER receiver unit.



### HE01SI 3D HDMI & IR CAT5 Extender over Single CAT5E cable

- Extends HDMI and IR signal over one CAT5/5e/6 cable.
- HDMI 1.3 compliant, 3D capable
- Built in IR control, IR signal could be selectable at either TX/RX side.
- Transmission range up to 70 meters by 1080i/720p.
- Transmission range up to 40 meters by 1080p@60Hz@24bit.
- Built in auto equalization for easy plug and play.
- Transmitter unit built in EDID auto backup function.
- HDCP compatible.



### SP008 HDMI Surge Protector

- Provide protection for HDMI equipments.
- Support HDMI 1.4
- Compliant IEC61000-4-2, IEC61000-4-4, IEC61000-4-5
- Built in ESD, EFT (impulse noise), Lightning protection.
- Reaction Speed : <math>< 1\text{nS}</math>.



## Converter

### AD001HH High Resolution Composite Video to HDMI/VGA Converter Scaler



### HC01 HDMI to Composite Video Stereo Audio Converter



### VH01 VGA to HDMI Converter with local loop VGA output

### YH01 Component Video to HDMI Converter with Local loop Component output

### HVY01 HDMI to VGA/Component with Stereo Audio Converter

### HD01 HDMI to DVI with Audio Converter

### SDI01 HD-SDI to HDMI Converter with loop out

### SDI02 HDMI to HD-SDI Converter

# 4K2K HDBaseT CAT5 Extender & Matrix Switcher

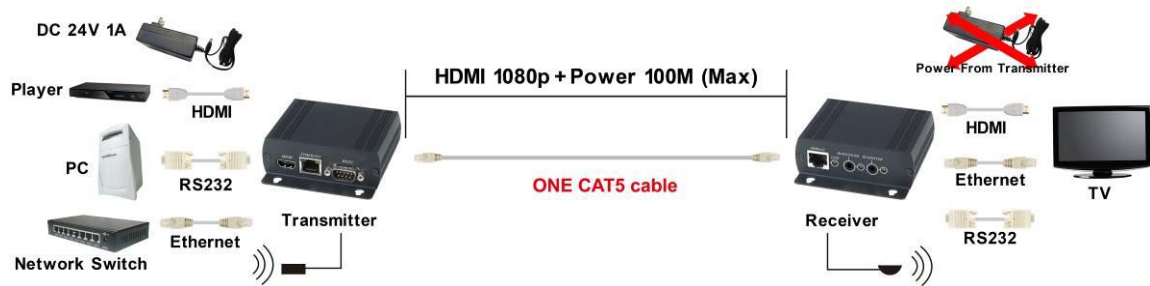
## HE02EI HDMI & IR CAT5 Extender over Single CAT5 cable 70 Meters

- Extends HDMI and IR signal over one CAT5/5e/6 cable.
- Uncompressed high definition video up to 1080p@60Hz@48bits and 3D capable.
- Max. Data Rate- 10.2Gbps.
- **HDMI 1.4 with 3D, 4k x 2k support, HDCP & DVI Compliant.**
- Transmission range up to 70M at 1080p resolution.



## HE02P HDMI (HDBaseT) CAT5 Extender with Ethernet/RS232/IR/PoH

- Extends HDMI, RS232 and IR signal with Ethernet over one CAT5e/6 cable.
- Uncompressed high definition video up to 1080p@60Hz@48bits.
- HDMI 1.4 with 3D, 4k x 2k support, HDCP & DVI Compliant.
- Max. Data Rate- 10.2Gbps.
- Audio supports up to LPCM 7.1 @ 192KHz, Dolby TrueHD, DTS-HD MA
- Transmission range up to 100 meters at 1080p resolution.
- Bi-directional IR, support 30-60khz.
- Bi-Directional RS232 interface – commands and data can flow in both directions via RS232, allowing status requests and control of the destination unit.
- Support two port 10/100Mbps network, allow to connect the network TV or Ethernet devices.
- Support PoH (Power over HDBaseT), no external power required at receiver.
- External power supply included for the Transmitter.



## HE04M 4x4 HDMI (HDBaseT) Matrix Switcher

- Extends and distributes HDMI signal to 4 remote HDMI displays over CAT5e/6 cable.
- Uncompressed high definition video up to 1080p@60Hz@12bits.
- HDMI 1.4 with 3D, HDCP & DVI Compliant.
- Built in HDMI local output at transmitter unit.
- Built in IR extender (work with receiver: HE02EIR)
- Work with HE02ER receiver: distance up to 100 meters at 1080p resolution
- Work with HE02EIR receiver: distance up to 70 meters at 1080p resolution
- **\*CAT5e receiver optional model: HE02R, HE02EIR**
- **Option model: RC04 Keypad remote control HE04M to select input/output.**



## HE10M 10x10 HDMI (HDBaseT) Matrix Switcher

- 8 HDMI input with 2 HDBaseT input
- 8 HDBaseT output with 2 HDMI output.



# HDMI, DVI, VGA Extender over IP (Matrix/Broadcasting)

## HDV Over IP Transmitter:

- HE05BT HDMI over IP
- HKM01BT HDMI KVM & USB, RS232 , IR, Audio over IP
- DKM01BT DVI KVM & USB, RS232 , IR, Audio over IP
- VKM03BT VGA KVM & USB, RS232 , IR, Audio over IP

## HDV Over IP Receiver:

- HE05BER HDMI over IP
- HE05BR HDMI with RS232, IR, Audio over IP
- HKM01BR HDMI KVM & USB, RS232 , IR, Audio over IP
- VDKM01BR VGA/DVI KVM & USB, RS232 , IR, Audio over IP



- Extend and distribute HDMI/VGA/DVI signal with bi-directional RS232, IR, analog audio and USB signal over LAN.
- Supports resolutions up to 1080p Full HD and 1920 x 1200 (WUXGA) 32bpp@ 60 Hz
- HDMI 1.3b and HDCP compliant.
- HDMI audio support up to LPCM 7.1@192Khz
- Built in window based management software, using PC computer for easy setting input/output link.
- Support PC software and Android/iOS APP control.
- Receiver input source select could be from IR remote control or front panel button.
- Receiver built in IR programmable module, allow using IR remote control to do IR/RS232 command.
- Use IGMP and 8k jumbo frame packets Gigabit Switch Hub to do HD signal distribution and transmission.
- Support point to point and multiple source devices to multi-display connections via Gigabit network switch.
- The system could be mixable on TX/RX by HDMI (HKM01B), DVI (DKM01B), VGA (VKM03B) series products.
- Perfect for large scale remote HD content access and security monitoring systems, digital signage applications.
- Optional model: SR01 signal repeater for longer distance application.

## HDMI, DVI, VGA, KVM MATRIX over IP



## HDV Over IP

ITEM NO.	Video Interface	Resolution	TX	RX	USB	RS232	IR Extender	Audio	IR Control
HE05BT	HDMI	1080p	V			V	V	V	
HKM01BT	HDMI	1080p	V		V	V	V	V	
VKM03BT	VGA	1920x1200	V		V	V	V	V	
DKM01BT	DVI	1920x1200	V		V	V	V	V	
HE05BER	HDMI	1080p		V					V
HE05BR	HDMI	1080p		V		V	V	V	V
HKM01BR	HDMI	1080p		V	V	V	V	V	V
VDKM01BR	VGA/DVI	1920x1200		V	V	V	V	V	V