

# AV-9608

## 18Gbps HD Extender (70m)with POC

The AV-9608 is HD Video with Bi-Directional IR Extender over CAT6 cable to a distance up to 230 feet/70m. It delivers up to 4K2K@60 uncompressed video with high quality at almost zero latency. It supports EDID copy pass-through function between the source device and display device.

The AV-9608 also supports Power over Cable (POC), the included DC 12V power supply can be installed at either on TX or RX site only.

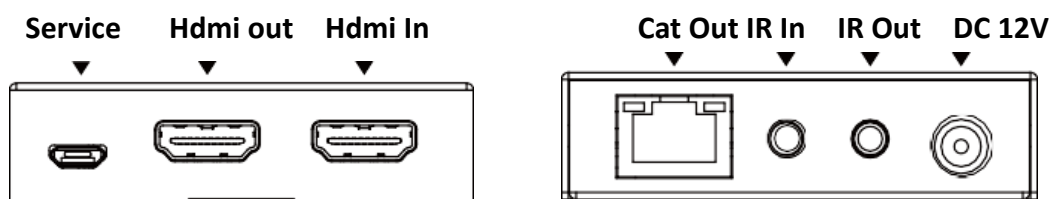


### Features

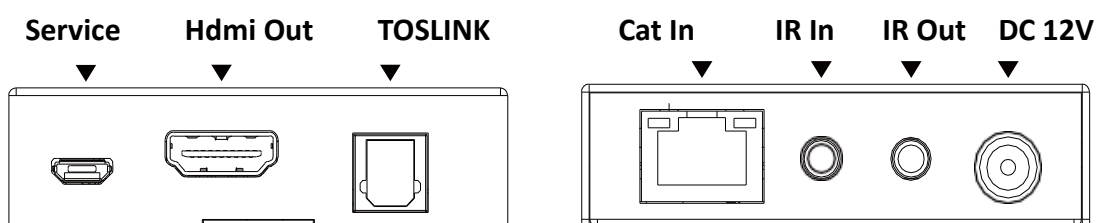
- ❖ Support HD uncompressed video signal, the resolution is up to 4K2K@60Hz RGB/YCBCR.
- ❖ Support 18Gbps video bandwidth.
- ❖ Support HDR, HDR10, HDR10+, Dolby Vision, HLG .
- ❖ Support POC (Power over Cable), either TX or RX needs to be powered by 12V@1A power supply, the other side does not need power from the DC jack.
- ❖ Use single UTP LAN cable (CAT6) to substitute HD cable to achieve long distance transmission.
- ❖ Transmission distance: Over CAT6 cable:
  - 70 meters: 4K2K@60Hz; 1080P@60Hz.
- ❖ Transfer Bidirectional Infrared control signal together with the HD signal.
- ❖ Audio formats: LPCM 7.1, Dolby True HD, DTS HD Master.
- ❖ EDID copy pass-through function between the source device and display device.
- ❖ Support ARC and audio de-embedding, audio is output through the optical fiber port of the receiver.

## Front and Back View

### AV-9608T



### AV-9608R

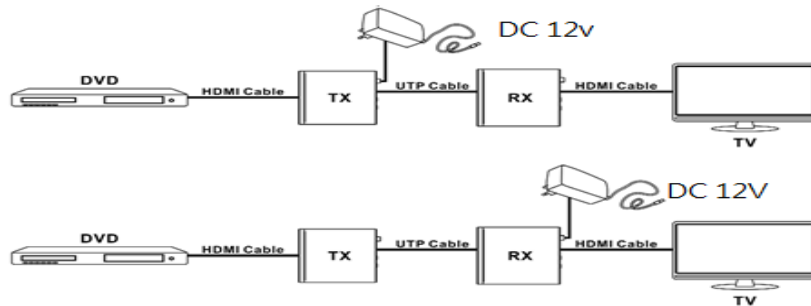


## Specification

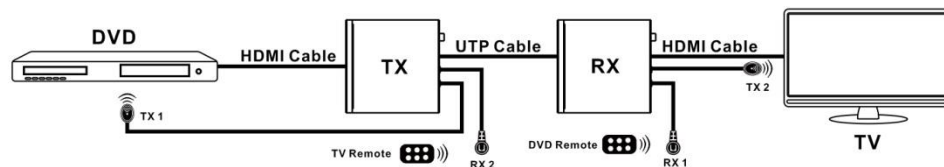
Model No.		AV-9608T Transmitter	AV-9608R Receiver
Connectors	HDMI Input	1	N/A
	HDMI Output	1	1
	RJ-45 Input	N/A	1
	RJ-45 Output	1	N/A
	Power Supply	DC 12V 1A (POC on either TX or RX)	
	Mounting ears	Yes	
	IR remote control	1 x IR Tx /1 IR Rx	1 x IR Tx /1 IR Rx
Resolution		1080p or 4K2K (3840x2160@60Hz)	
Frequency Bandwidth		18Gbps	
Maximum Distance (with CAT6)		70 meters: 1080P@60Hz; 4K2K@60Hz	
Power Consumption		3.36W (max)	
Inter-connect Cable		CAT5e/6	
Environment	Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F	
	Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F	
	Humidity	20~90% RH (Non-condensing)	
Physical Properties	Material	Metal (Black)	
	Weight	160 g	155 g
	Dimension	90x68x18mm	90x68x18 mm

## Diagram

### POC (Power over Cable)



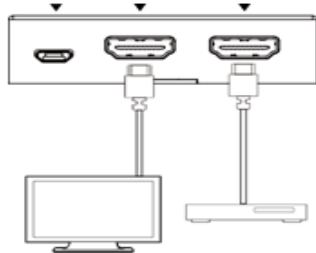
### Bidirectional Infrared control



### Application Example

#### Transmitter

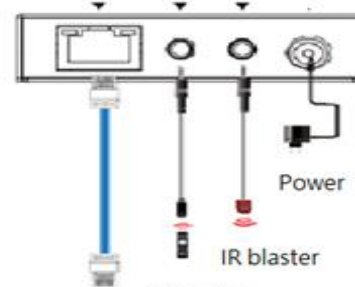
Service Hdmi Out Hdmi In



TV

DVD Player

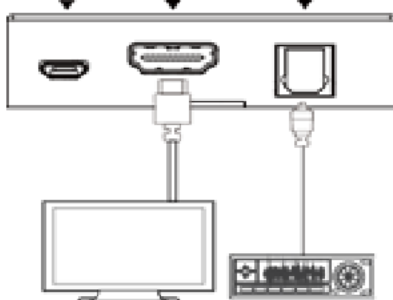
Cat Out IR IN IR Out



IR receiver

#### Receiver

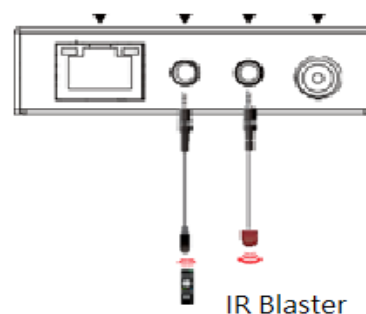
Service Hdmi Out TOSLINK



TV

Audio Amplifier

CAT IN IR IN IR Out Power



IR Blaster

IR Receiver