

AV-825b

HDMI Extender (70m) with IR Control

The AV-825b is HD Video with IR Extender over CAT6 cable to a distance up to 70m with 1080p. It delivers up to 4K2K@30/40m uncompressed video with high quality at almost zero latency. It supports EDID copy pass-through function between the source device and display device.

It supports audio formats up to PCM7.1, Dolby True HD, DTS HD. This product can be widely used in multi- media conference halls, TV teaching and large-screen displays.

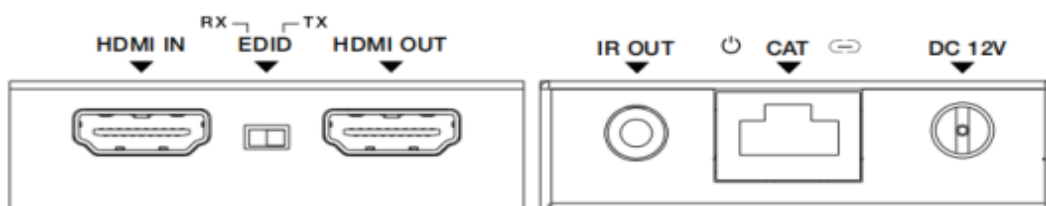


Features

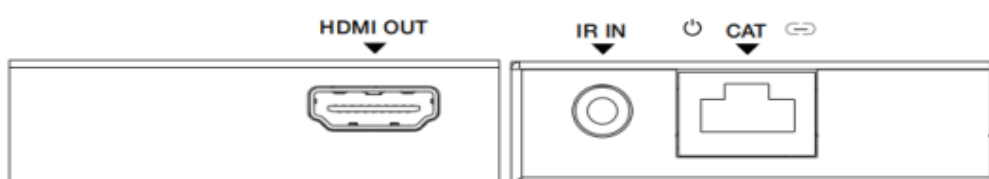
- ❖ Support HD uncompressed video signal, the resolution is up to 1080p, 4K2K@30Hz.
- ❖ Support 10.2Gbps video bandwidth.
- ❖ Support copying EDID from receiver display or loop out display
- ❖ Support one-way POC functionality (from transmitter to receiver), TX needs to be powered by 12V@1A power supply, the RX 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:
 - 40 meters: 4K2K@30Hz; 70 meters: 1080P@60Hz.
- ❖ Support one-way IR signal transmission.
- ❖ Audio formats: LPCM 7.1, Dolby True HD, DTS HD Master.
- ❖ Compact design for easy and flexible installation

Front and Back View

AV-825bT



AV-825bR

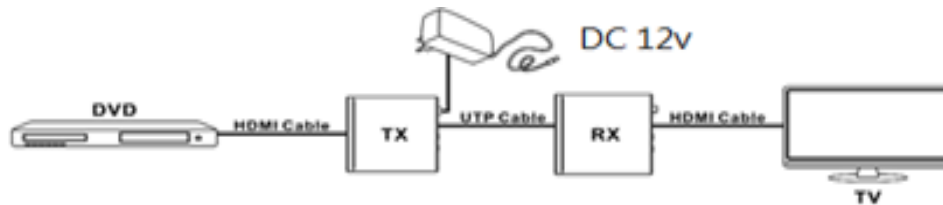


Specification

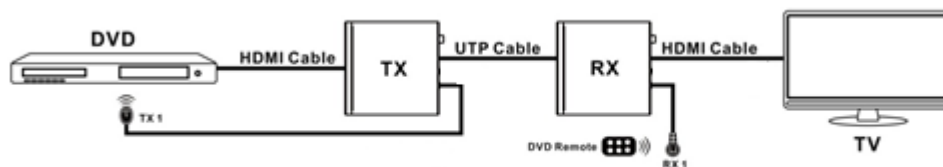
Model No.		AV-825bT Transmitter	AV-825bR Receiver
Connectors	HDMI Input	1	N/A
	HDMI Output	1	1
	RJ-45 Input	N/A	1
	RJ-45 Output	1	N/A
	Power Supply	DC 12V 1A	N/A
	IR remote control	1 x IR Tx /1 IR Rx	
Resolution		1080p or 4K2K (3840x2160@30Hz)	
Video Bandwidth		10.2Gbps	
Maximum Distance (with CAT6)		70 meters: 1080P@60Hz; 4K2K@30Hz	
Power Consumption		Transmitter: 1.86W, Receiver: 0.87W	
Inter-connect Cable		CAT5e/6	
Environment	Operation Temperature	32 - 104°F / 0 - 40°C	
	Storage Temperature	-4 - 140°F / -20 - 60°C	
	Humidity	20~90% RH (Non-condensing)	
Physical Properties	Material	Metal (Black)	
	Weight	132 g	130 g
	Dimension	79.5mm[W] x 69mm[D] x 16.5mm[H]	

Diagram

POC (Power over Cable)



One-way Infrared control



Application Example

