CH-507RXBD

CAT5e/6 to HDMI with LAN/IR/RS-232



The HDMI over CAT5e/6/7 Transmitter and Receiver set can send uncompressed video/audio and IP data over an single run of CAT5e/6/7 cable up to 100m/328ft at 1080p and 70m/229ft at 4K. It has the added benefit of control through the built-in RS-232 pass-through and 2-way IR control and a LAN serving connection. Additionally, it has bi-directional Power over Cable (PoC) functionality that allows for greater flexibility in installations.

PANELS

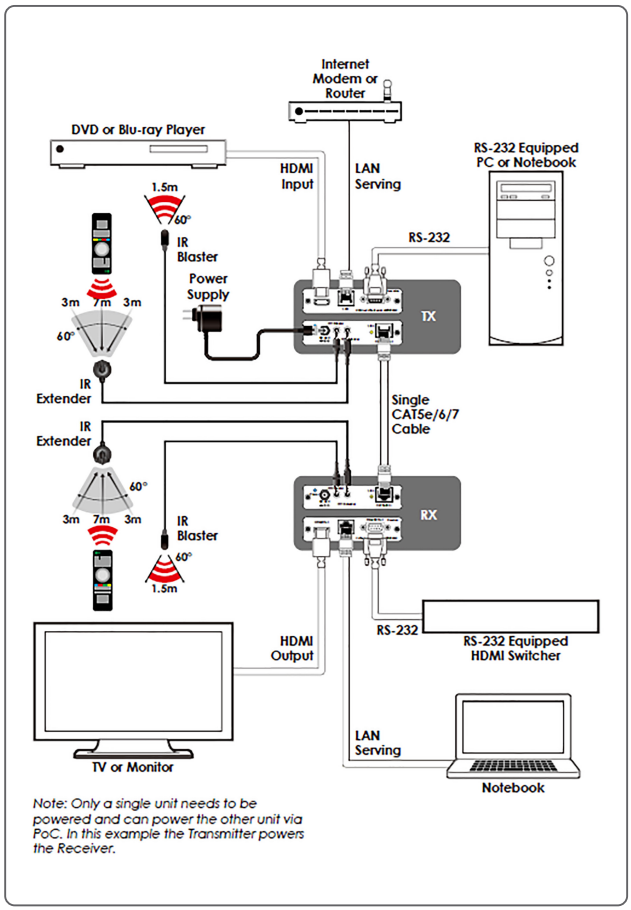


Front View



Rear View

DIAGRAM



Note: Only a single unit needs to be powered and can power the other unit via PoC. In this example the Transmitter powers the Receiver.

FEATURES

- RS-232 with baud rate up to 115200/sec
- Supports wide range of IR frequency from 30~50kHz
- Supports HDMI 3D and 4K x 2K features
- Supports HDCP repeater and CEC bypass
- Supports distance up to 100m/328ft at 1080p and 70m/229ft at 4K through CAT5e/6/7 cable
- Supports pass-through of audio formats including LPCM 2.0/5.1/7.1, Bitstream and HD Bitstream over HDMI
- HDBaseT™ convergence: uncompressed high-definition Video and Audio, LAN serving, Bi-directionlal Power over Cable (PoC) and IR/RS-232 Control pass-through

SPECIFICATIONS

Interfaces		
Input Port	HDBaseT (RJ-45) IR Extender(3.5mm)	
Output Port	HDMI(Type-A) LAN(RJ-45) RS-232(DE-9) IR Blaster(3.5mm)	
Video		
HDMI Compliance	HDMI2.0 (DVI 1.0)	
HDCP Compliance	HDCP2.x	
Input Signal Type	4K@60 YUV 4:2:0	
Output Signal Type	4K@60 YUV 4:2:0	
		Resolutions
Maximum Input	HDBaseT	4096×2160p@60 YUV 4:2:0
Maximum Output	HDMI	4096×2160p@60 YUV 4:2:0
		4096×2160p@30 YUV 4:4:4
Power		
Power Supply	24 V/1.25 A DC (US/EU Standards, CE/FCC/UL certified)	
Power Consumption	13 W	
Enclosure		
Chassis Material	Aluminum	
Chassis Color	White	
Dimensions (W×H×D)	102 mm ×25 mm ×113 mm	
Weight	256g	
Field Firmware Update		
PCB on board, uses RS232		

ORDERING INFORMATION

Model No.	Product Description
CH-507RXBD	CAT5e/6/7 to HDMI with LAN/IR/RS-232
CH-507TXBD	HDMI to CAT5e/6/7 with LAN/IR/RS-232