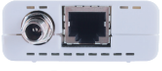
CH-513TXLN

HDMI to CAT5e/6 with IR/RS232



The HDMI Extender over single CAT5e/6/7 incorporating IR and RS-232 signal transfer allows for a more efficient system setup and is easy to install. Uncompressed video and audio can be transmitted to distances of up to 70 meters (1080p) and supports High Definition Audio and 3D signals. Designed with HDBaseT™ technology for greater flexibility in custom installations with full HDMI and control signal transfer over a single CAT5e/6/7 cable.

PANELS

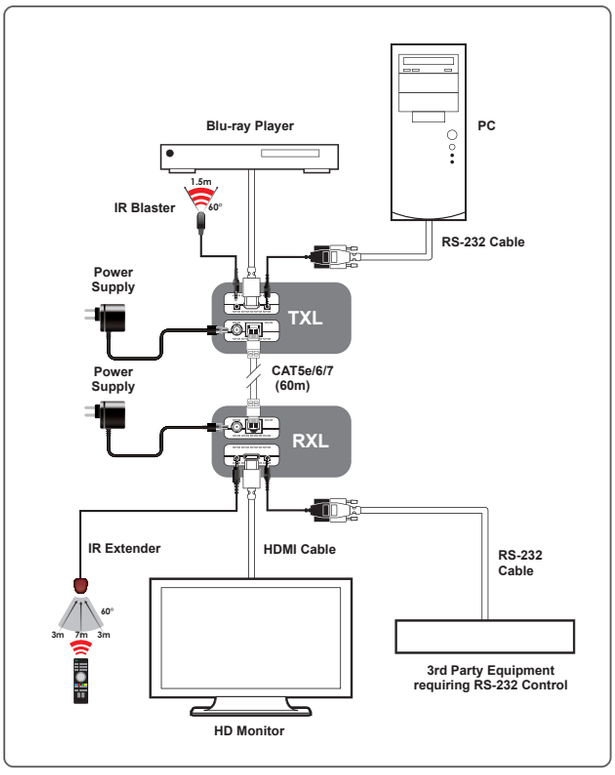


Front View



Rear View

DIAGRAM



FEATURES

- Supports distance up to 70m/229ft at 1080p and 40m/131ft at 4K
- HDBaseT feature support: HD Video, Audio, and IR/RS-232 Control pass-through
- Supports HDCP repeater and CEC bypass
- Input/output resolutions up to 4K@60Hz (YUV 4:2:0, 8-bit) or 4K@30Hz(YUV 4:4:4, 8-bit)
- HDMI with 3D, 4K2K support, HDCP and DVI compliant
- Multiple control interfaces such as RS-232 with baud rate up to 115200/sec and IR
- Supports pass-through of audio formats including LPCM 2.0/5.1/7.1,Bitstream and HD Bitstream

SPECIFICATIONS

Interfaces		
Input Port	HDMI(Type-A) RS-232(3.5mm)	
Output Port	HDBaseT (RJ-45) IR Extender (3.5mm)	
Video		
HDMI Compliance	HDMI 2.0 (DVI 1.0)	
HDCP Compliance	2.x	
Input Signal Type	4K@60 YUV 4:2:0	
Output Signal Type	4K@60 YUV 4:2:0	
		Resolutions
Maximum Input	HDMI	4096×2160p@60 YUV 4:2:0
Maximum Output	HDBaseT	4096×2160p@60 YUV 4:2:0
Power		
Power Supply	5 V/2.6 A DC (US/EU standards, CE/FCC/UL certified)	
Power Consumption	2.6W	
Enclosure		
Chassis Material	Plastic	
Chassis Color	White	
Dimensions (W×H×D)	55 mm × 22.5 mm × 75.5 mm [Case Only] 55 mm × 22.5 mm × 82.2 mm [All Inclusive]	
Weight	60g	
Field Firmware Update		
PCB on board, uses RS232		

ORDERING INFORMATION

Model No.	Product Description
CH-513TXLN	HDMI to CAT5e/6/7 with IR/RS232
CH-513RXLN	CAT5e/6/7 to HDMI with IR/RS232