The HDMI HDBaseT + RS232 and IR over Cat Extender Single Gang Wall Plate Transmitter - 4K 60Hz allows a 4K HDMI source to be extended up to 130ft to a 4K display using a single Cat6a Ethernet cable. This is an ideal solution where HDMI video and audio need to be extended to displays in conference rooms, classrooms, lecture halls, and many other installation needs that are far beyond the length limitations of standard HDMI cabling.

This wall plate transmitter and box receiver extends HDMI over a single network patch cable. Extend 4K HDMI up to 115 feet and 1080p up to 230 feet using a Cat5e or Cat6 cable. For longer 4K distances, extend 4K HDMI up to 130 feet using a Cat6a cable.

This HDBaseT set is HDCP 2.2 compliant, ensuring that the source and display connection is secure. Multi-channel audio formats are supported, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, and DTS:X. With bi-directional PoC support, one power adapter at either transmitter or receiver side can power both units, so no additional power adapter is required, allowing for greater flexibility in installations. Advanced users can control bi-directional IR and RS232 pass through.

Note: Ensure a solid, reliable connection between the 4K HDMI HDBaseT Extender and critical equipment. We suggest using HDMI Cables with gripping connectors that provide greater port retention than standard HDMI connectors.

Additional Technical Specifications

Signal Specifications

Receiver/Transmitter:

- Audio Format: HDMI IN: Supports multi-channel audio formats, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
- Audio In: Stereo
- Maximum Pixel Clock: 340Mhz
- Maximum Data Rate: 10.2Gbps

Receiver:

- Chipset: VS010 Type, Model Number: VS010-RX LBGA-268
- Input/Output Ports: 1 x HDMI OUT; 1 x HDBT IN; 1 x RS232; 1 x IR IN; 1 x IR OUT; 1 x DC 18V IN
- Output Signal Type: HDMI 1.4 with 4K @ 60Hz 4:2:0 8bit, HDCP 2.2
- Supports bi-directional IR and RS232 pass-through

Transmitter:

- Chipset: VS010TX LBGA-196
- Input/Output Ports: 1 x HDMI IN: 1 x HDBT OUT; 1 x RS232; 1 x IR IN; 1 x DC 12V IN (2-Pin Phoenix Connector)
- Input Signal Type: HDMI 1.4 with 4K @ 60Hz 4:2:0 8bit, HDCP 2.2

Transmission Distance

Receiver/ Transmitter:

- Cat 6a/7 cable, extends 4Kx2K@60Hz (4:2:0) signal up to 40m/130ft and 1080P@60Hz signal up to 70m/230ft
- Cat 5e cable, extends 4Kx2K@60Hz (4:2:0) signal up to 35m/115ft and 1080P@60Hz signal up to 60m/200ft

Electrical Specifications

Receiver:

- Power Supply: Bi-directional PoC, one power adapter at either transmitter or receiver side can power both units
- Power Supply: DC 18V 1A
- Power Consumption (Max): 8.88W (Pair, PoC)

Transmitter:

- Power Supply: One-way PoC, the TX is powered by the RX
- Power Supply: DC 12V 2A
- Power Consumption (Max): 8.01W

Physical Specifications

Receiver:

- Operating Temperature: 0°C to 45°C (32°F to 113°F)
- Storage Temperature: -20°C to 70°C (-4°F to 158°F)
- Humidity: 10% to 90%, Non-Condensing
- ESD Protection: Human-body Model: ±8kV (Air-gap discharge) / ±4kV (Contact discharge)

Transmitter:

- Operating Temperature: 0°C to 45°C (32°F to 113°F)
- Storage Temperature: -20°C to 70°C (-4°F to 158°F)
- Humidity: 10% to 90%, Non-Condensing
- ESD Protection: Human-body Model: ±8kV (Air-gap discharge) / ±4kV (Contact discharge)

Physical Characteristics

Receiver:

- Device Dimension (W x H x D): 108.8mm x 15mm x 64.2mm / 4.3¨ x 0.6¨ x 2.5¨
- Product Weight: 0.18kg / 0.4lb

Transmitter:

- Device Dimension (W x H x D): 45mm x 105.6m

Features & Benefits

Extend 4K at 60Hz (4:2:0) up to 130ft and 1080p at 60Hz up to 230ft with Cat 6a cable

HDCP 2.2 compliant, to create a secure connection between the source and display

Supports RS232 pass-through via HDBT port

Extend 4K at 60Hz (4:2:0) up to 115ft and 1080p at 60Hz up to 200ft with Cat 5e/6 cable

Supports CEC pass-through, allowing central control to all HDMI compatible devices

HDBaseT Chipset VS010, for simpler HDBaseT installations

Specifications

General Info

Product Line	C2G	Color	Black
UPC Number	757120300250	Country Of Origin	China
Features	RS232	Application Sector	Commercial
Warranty Type	5-Year	Type	HDBaseT, Receiver, Transmitter

Technical Information

Video Resolution	1080p, 1080p 60Hz, 4K, 4K 30Hz, 4K 60Hz	Data Transfer Rate	10.2 Gbps
Adapter Rear	DC Power Plug, RJ-45 Female, HDMI Female	Adapter Front	HDMI Female, RJ-45 Female
Operating Temperature	0°-45°C	Storage Temperature	-20° - 70° C