

The HDMI Ultra-Slim HDBaseT + RS232 And IR over Cat Extender Box Receiver - 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 receiver accepts HDMI signals 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 HDMI HDBaseT receiver is HDCP 2.2 compliant, making sure that the connection from the source is secure. 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. Support this HDBaseT system that is already deployed in the field by upgrading firmware through the RS232 port.

This HDBaseT receiver works with [C2G30014](#), [C2G30017](#), [C2G30018](#), [C2G30021](#), and [C2G30022](#).

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.

Note: Stranded Cat5e/6/6a patch cables may be used for HDMI extension applications up to 230ft. Shielded, solid conductor Cat6 or HDBaseT Certified Cat6a network cabling is recommended for applications where the category cable must be coiled, is run near other high-frequency signaling cables, or in high EMI/RFI environments.

Additional Technical Specifications

Signal Specifications



- Chipset: VS010 Type, Model Number: VS010-RX LPGA-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
- Audio Format: HDMI IN: Supports multi-channel audio formats, including PCM 7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X
- Maximum Pixel Clock: 340Mhz
- Maximum Data Rate: 10.2Gbps
- Supports bi-directional IR and RS232 pass-through

Transmission Distance

- 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

- 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)

Physical Specifications

- 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

- 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

Features & Benefits

Extend 4K at 60Hz (4:2:0) up to 130ft and 1080p at 60Hz up to 230ft with Cat 6a cable	Extend 4K at 60Hz (4:2:0) up to 115ft and 1080p at 60Hz up to 200ft with Cat 5e/6 cable
HDCP 2.2 compliant, to create a secure connection between the source and display	HDBaseT Chipset VS210, for simpler HDBaseT installations
Supports CEC pass-through, allowing central control to all HDMI compatible devices	Supports bi-directional IR and RS232 pass-through
Bi-directional PoC, one power adapter at either transmitter or receiver side can power both units	Compatible Transmitters: C2G30014, C2G30017, C2G30018, C2G30021, C2G30022, C2G31017 (Coming Soon)

Specifications

General Info

Product Line	C2G	Color	Black
UPC Number	757120310150	Country Of Origin	China
Features	RS232	Application Sector	Commercial
Warranty Type	5-Year	Type	Active Device, HDBaseT, Receiver

Dimensions

Product Width US	5.37 in	Product Height US	0.6 in
Product Length US	2.92 in		

Listing Agencies / 3rd Party Agencies

FCC Compliant	Yes	REACH Compliant	Yes
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Technical Information

Video Resolution	1080p, 1080p 60Hz, 4K, 4K 30Hz, 4K 60Hz	Data Transfer Rate	10.2 Gbps
Adapter Rear	HDMI Female	Adapter Front	RJ45 Female, DC Power Plug
Operating Temperature	0°-45°C	Storage Temperature	-20° - 70° C