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 4K@2K@60Hz (4:2:0) signal up to 40m/130ft and 1080P@60Hz signal up to 70m/230ft
- Cat 5e cable, extends 4K@2K@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
- HDCP 2.2 compliant, to create a secure connection between the source and display
- Supports CEC pass-through, allowing central control to all HDMI compatible devices
- Supports RS232 pass-through via HDBT port
- HDBaseT Chipset VS010, for simpler HDBaseT installations

**Specifications**

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<tr>
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<th>Technical Information</th>
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<td><strong>Video Resolution</strong></td>
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<td>4K 60Hz, 4K 30Hz, 4K, 1080p 60Hz, 1080p</td>
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<td><strong>Data Transfer Rate</strong></td>
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<td>HDMI Female, RJ-45 Female, DC Power Plug</td>
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