



DATA SHEET

HDMI® HDBaseT + VGA , 3.5mm, RS232, and IR over Cat Extender Dual Gang Wall Plate Transmitter - 4K 60Hz

Extend 4K HDMI up to 130ft over a single Cat6a network patch cable using HDBaseT technology

OVERVIEW

The HDMI HDBaseT + VGA , 3.5mm, RS232, and IR over Cat Extender Dual Gang Wall Plate Transmitter - 4K 60Hz allows 4K HDMI or VGA sources to be extended using a single Cat6a Ethernet cable. This is an ideal solution where video and audio needs 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 cabling.

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

This HDMI HDBaseT transmitter is HDCP 2.2 compliant, making sure that the connection from the source is secure. The transmitter supports PoC PD to receive power from an HDBaseT receiver with PSE module. It can also be powered by local 12V power supply and share power with the receiver via the 3-pin phoenix power out connector, so no additional power adapter is required, allowing for greater flexibility in installations. Advanced users can control IR and RS232 pass through.

This HDBaseT transmitter works with C2G30015 and C2G30016 receivers.

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. 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. For best performance use an HDBaseT Certified Cat6a Patch Cable.

FEATURES

- 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
- Supports VGA resolutions up to 1920x1200 at 60Hz
- Supports auto-switching between input sources
- HDCP 2.2 compliant, to create a secure connection between the source and display
- All input audio source EDIDs are fixed at PCM 2CH
- HDMI input EDIDs are copied from HDBaseT receiver
- Independent DIP switch provided for VGA EDID Management
- Supports IR and RS232 pass-through
- Supports PoC PD to receive power from an HDBaseT receiver with PSE module
- Can be powered by local 12V power supply and share power with receiver via the 3-pin phoenix power out connector
- HDBaseT Chipset VS010, for simpler HDBaseT installations
- Works with C2G30015 and C2G30016 receivers

ITEM DESCRIPTION

C2G30017 HDMI HDBaseT + VGA , 3.5mm, RS232, and IR over Cat Extender Dual Gang Wall Plate Transmitter - 4K 60Hz

SIGNAL SPECIFICATIONS

- Chipset: VS010
- Input/Output Ports: 1 x VGA IN, 1 x VGA AUDIO IN, 1 x HDMI IN, 1 x HDBT OUT, RS232, IR OUT, DC 12V IN
- Input Signal Type: HDMI 1.4 with 4K @ 60Hz 4:2:0 8bit, HDCP 2.2; VGA input up to 1920x1200 @ 60Hz
- 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 Format: VGA Audio: Stereo
- Maximum Data Rate: 10.2Gbps
- Supports 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

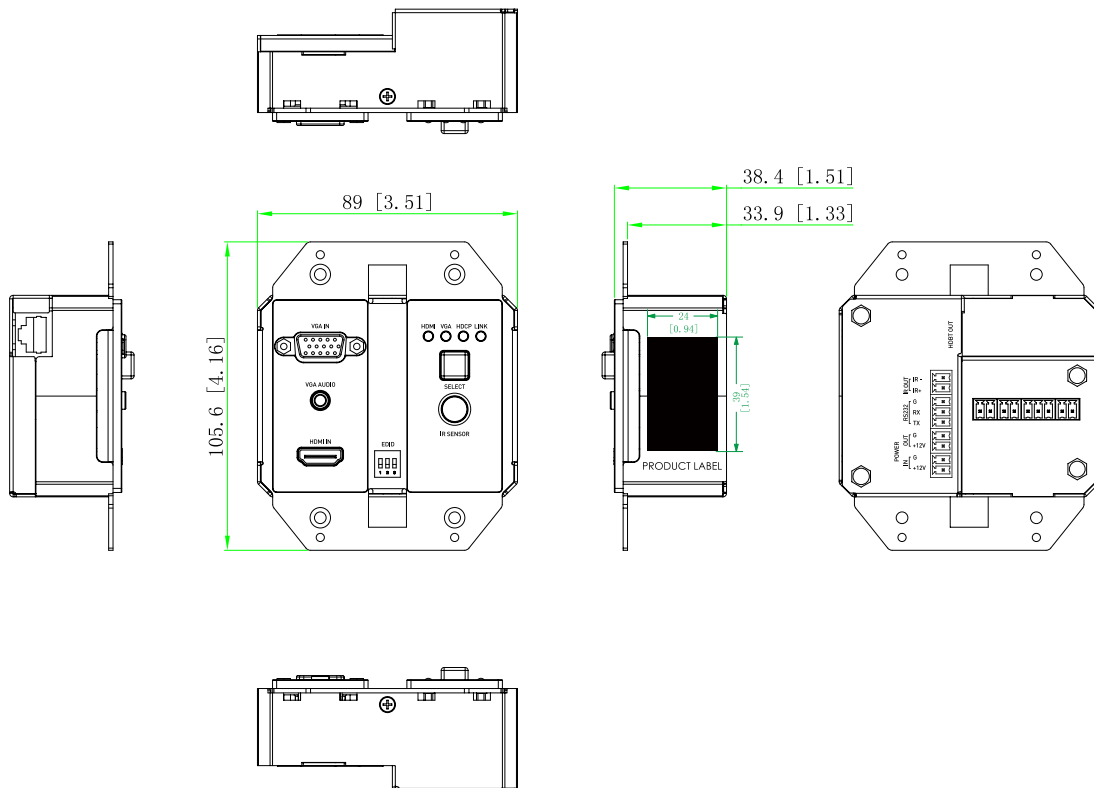
- Power Supply: Powered by separate external DC 12V power supply, sharing power via 3-pin phoenix power out connector
- Power Supply: PoC, powered by receiver; or local power supply through the 12V phoenix connector
- Power Consumption (Max): 3.9W

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): 89mm x 38.4mm x 105.6mm / 3.5" x 1.51" x 4.16"
- Product Weight: 0.3kg / 0.66lb



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