



DATA SHEET

HDMI® HDBaseT + 3.5mm, USB-A, and RS232 over Cat Audio De-Embedding Extender Box Receiver – 4K 60Hz

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

OVERVIEW

The HDMI HDBaseT + 3.5mm, USB-A, and RS232 over Cat Audio De-Embedding Extender Box Receiver - 4K 60Hz connects to a transmitter to allow 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 USB must be extended alongside HDMI video and audio to interactive whiteboards and displays in conference rooms, classrooms, lecture halls, and many other installation needs that are far beyond the length limitations of standard HDMI cabling.

The receiver extends HDMI and high speed USB 2.0 signals over a single Cat5e, Cat6 or Cat6a 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 between the source and display is secure. Automatic switching is supported, connecting to the last active source. Additional analog audio output pass-through allows for audio distribution. High-speed USB 2.0 pass through is supported over HDBaseT up to 230ft for KVM control of devices such as USB cameras, keyboards, mice, etc. With PoH support, the receiver can send power to the transmitter, so no additional power adapter is required, allowing for greater flexibility in installations. Advanced users can control the transmitter via the RS232 port on receiver.

Note: Ensure a solid reliable connection between the 4K HDMI HDBaseT Extender and critical equipment. Learn more about HDMI Cables with gripping 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. For best performance use a Cat6 Solid Shielded Patch Cable or 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
- HDCP 2.2 compliant, to create a secure connection between the source and display
- Supports automatic switching, following the last-in-first-out rule
- Analog audio output pass-through and analog audio de-embedding of HDMI output allows for audio distribution
- Supports USB 2.0 pass through over HDBT up to 230ft
- One-way Power over HDBaseT (PoH), so that the transmitter can be powered by receiver
- HDBaseT Chipset VS210, for simpler HDBaseT installations

ITEM

DESCRIPTION

C2G30020

HDMI® HDBaseT + 3.5mm, USB-A, and RS232 over Cat Audio De-Embedding Extender Box Receiver – 4K 60Hz

SIGNAL SPECIFICATIONS

- Chipset: VS210
- Input Connectors: 1x HDBT In, 1x RS232, 1x Power In
- Input Video Signal: HDBT 2.0
- Output Connectors: 1x HDMI Out, 2x Audio Out, 4x USB Out
- Output Video Signal: HDMI (4096 x 2160@60Hz 4:2:0 8 Bit Only), HDCP 2.2
- Audio Format: HDMI Out: Supports multi-channel audio formats, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X

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

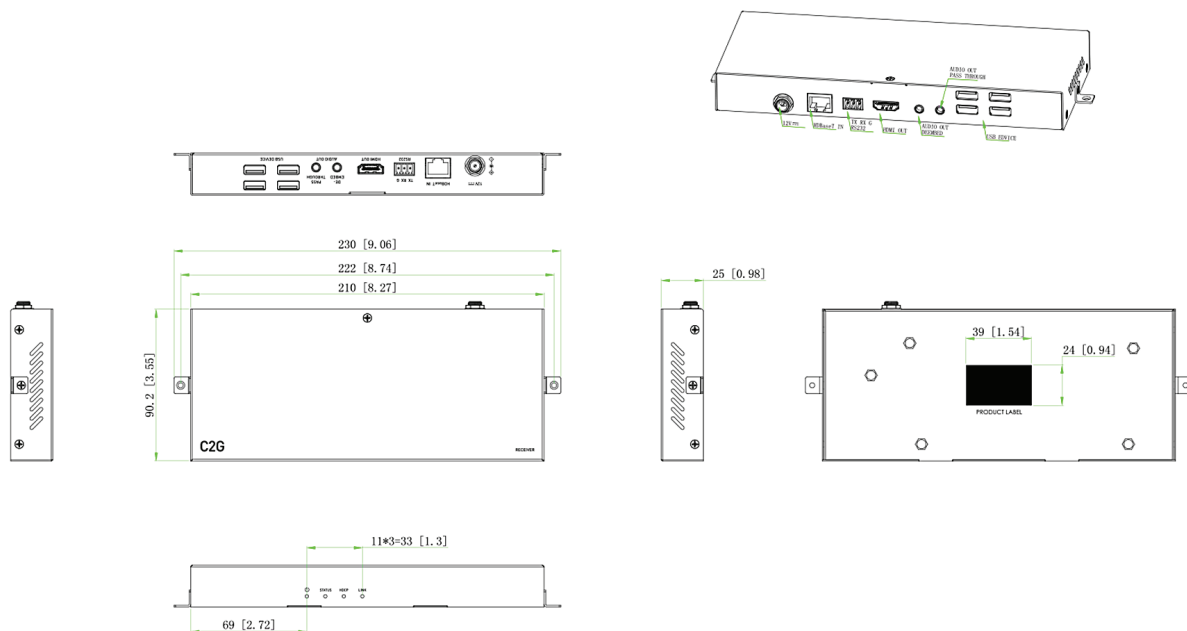
- Power Supply: PoH, powered by receiver; or local power supply through the 12V phoenix connector
- Power Consumption (Max): 7.8W
- Power Supply: DC 12V 2A
- Power Consumption (Max): 8W

PHYSICAL SPECIFICATIONS

- Operating Temperature: 0°C to 45°C; 10 to 90% RH (Non-Condensing)
- Storage Temperature: -20°C to 70°C; 10 to 90% RH (Non-Condensing)

PHYSICAL CHARACTERISTICS

- Physical Characteristics
- Device Dimension (W x H x D): 210mm x 25mm x 90.2mm / 8.27" x 0.98" x 3.55"
- Product Weight: 0.46kg / 1.01lbs



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