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A brand of **legrand**<sup>®</sup>

## DATA SHEET

### HDMI<sup>®</sup> Ultra-Slim HDBaseT + RS232 and IR over Cat Extender Box Transmitter - 4K 60Hz

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

#### OVERVIEW

The HDMI Ultra-Slim HDBaseT + RS232 and IR over Cat Extender Box 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 transmitter extends 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 transmitter 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. Advanced users can control bi-directional 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
- HDCP 2.2 compliant, to create a secure connection between the source and display
- Bi-directional PoC, one power adapter at either transmitter or receiver side can power both units
- Supports bi-directional IR and RS232 pass-through
- HDBaseT Chipset VS210, for simpler HDBaseT installations
- Works with C2G30015 and C2G30016 receivers

#### ITEM DESCRIPTION

C2G30014 HDMI Ultra-Slim HDBaseT + RS232 and IR over Cat Extender Box Transmitter - 4K 60Hz

## SIGNAL SPECIFICATIONS

- Chipset: VS010 Type  
Model Number: VS010-TX LBGA-196
- Input/Output Ports: 1 x HDMI IN; 1 x HDBT OUT; RS232; 1 x IR IN; 1 x IR OUT; 1 x DC 18V IN
- Input 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 2.0/5.1/7.1, 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

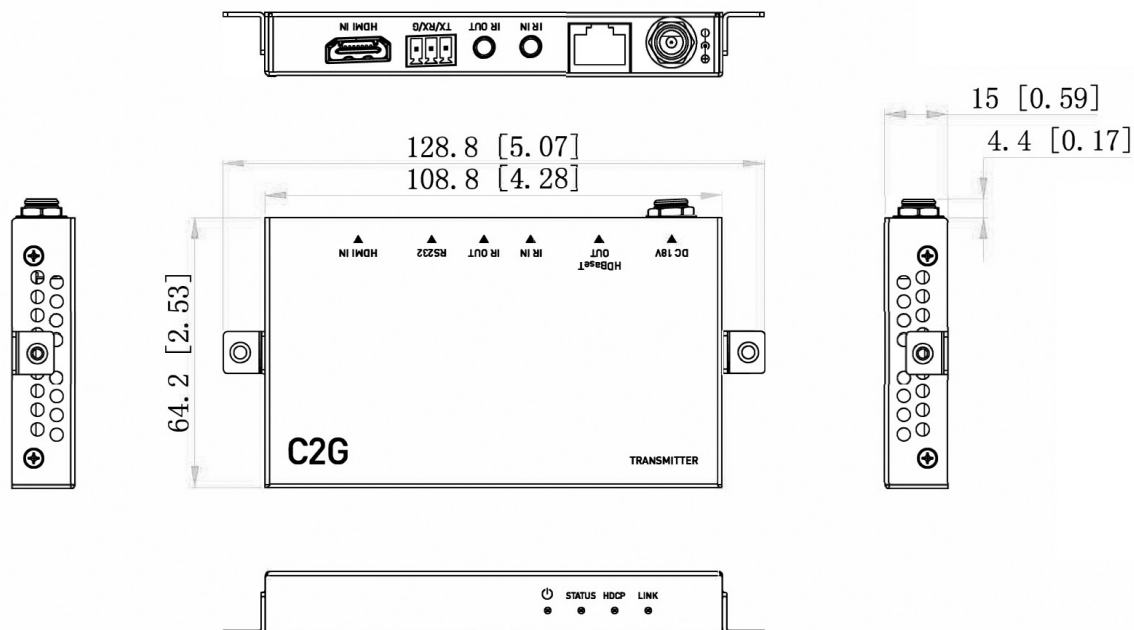
- Power Supply: Bi-directional PoC, one power adapter at either transmitter or receiver side can power both units
- Power Supply: DC 18V 1A
- Power Consumption (Max): 8.88W (Pair, PoC)

## 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



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