

DATA SHEET



4K HDMI® HDBaseT over Cat Extender Box Transmitter (TAA Compliant)

Extend 4K HDMI video and audio signals up to 230ft over a single Cat5e, Cat6, or Cat6a network patch cable using HDBaseT technology

OVERVIEW

HDMI over Cat allows HDMI audio/video signals to be extended over a single Cat5e, Cat6 or Cat6a cable up to 230ft at a 4K resolution. This solution is compatible with any operating system and is truly plug and play with no drivers or software required. The transmitter and receiver are available in either a wall plate or box form factor and are interoperable allowing this solution to meet the needs of the installation environment. In addition, this solution utilizes TruChoice™ power, which allows power to be supplied over the Cat cable to both the transmitter and receiver from a single power adapter placed at either the transmitter or the receiver end of the solution. HDBaseT technology supports HDCP and allows the Extended Display Identification Data (EDID) signals, i.e. communication of the display's capabilities, to pass through the extension solution ensuring that the content from the source is sent at the optimal resolution for the display. Built-in power surge protection and high ground loop immunity ensure high performance signal extension.

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 HDMI (4096 x 2160 at 30Hz, 4:4:4) up to 230ft
- Extend 4K HDMI (4096 x 2160 at 60Hz, 4:2:0) up to 230ft
- Utilizes a single Cat5e, Cat6 or Cat6a cable for extension
- HDBaseT technology supports EDID pass through
- TruChoice Power allows for power at transmitter or receiver end

ITEM DESCRIPTION

29241 4K HDMI® HDBaseT over Cat Extender Box Transmitter (TAA Compliant)

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SPECIFICATIONS:

4K HDMI® HDBaseT over Cat Extender Box Transmitter (TAA Compliant)

SIGNAL SPECIFICATIONS:

- Video Signal Support - HDMI
- HDMI Features Supported - HDCP, 3D, Deep color, Dolby + DTS 7.1 Audio, Consumer Electronics Control (CEC)
- Maximum Video Resolution - 4K (4096 x 2160 at 30Hz, 4:4:4)
- Maximum Cable Distance - 230ft*
- Recommended Category Cable - Solid Cat5e, Cat6 or Cat6a*

*Solid conductor Cat6 or Cat6a cabling is recommended for use with the digital products, HDMI and HDMI with RS232. Coiling of excess cable lengths should be avoided for best performance results. Shielded, solid conductor Cat6 or HDBaseT Certified Cat6a network cabling is recommended if a cable must be coiled or is run near other high-frequency signaling cables

POWER ADAPTER SPECIFICATIONS:

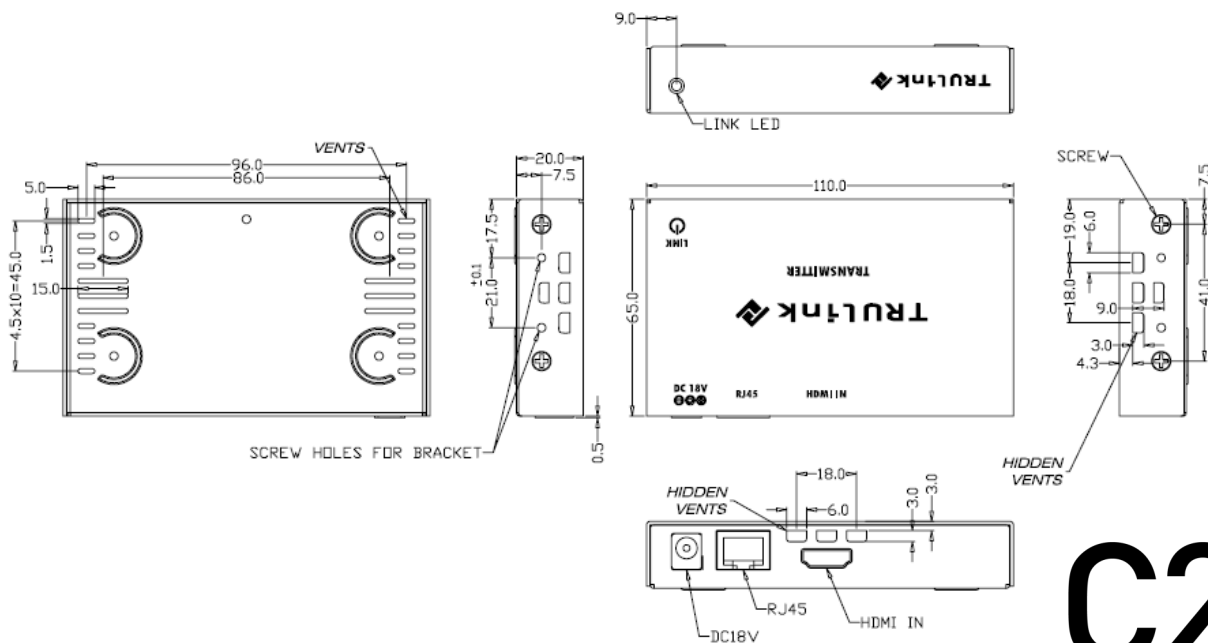
- Input Voltage - 100-240V
- Output Voltage/Amperage - 18V, 1.0A
- Cable Length - 1.5m
- Plug Diameter - 4.75mm
- Center Pin Polarity - Positive

PHYSICAL CHARACTERISTICS:

- Video Input/Output Port - HDMI Female
- Data Input/Output Ports - RJ45 Female, Serial RS232 DB9 Female

LED INDICATOR:

- Steady blue - The connection to the HDMI display is established
- Steady green - There is no receiver or HDMI display detected
- Flashing blue and green - The receiver is detected, but no source or display is detected



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