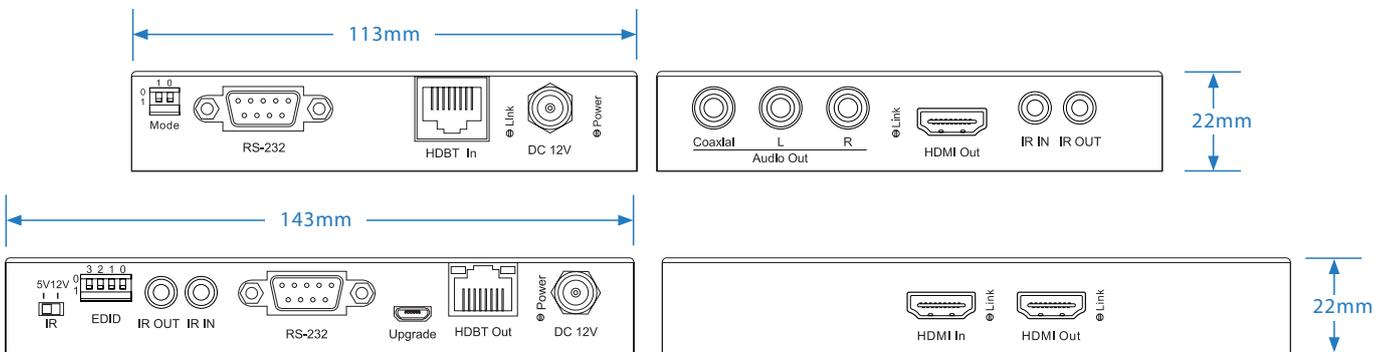
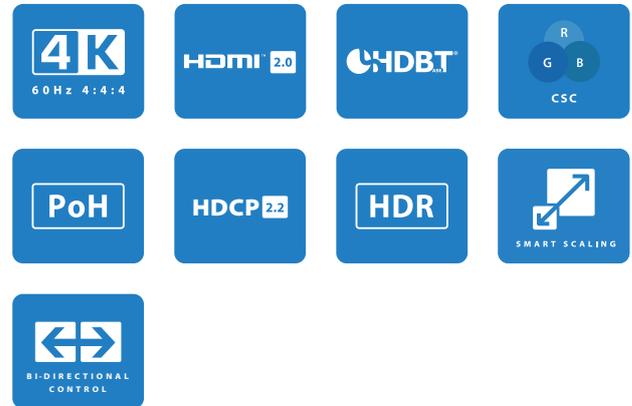


HDBaseT™ CSC Extender Kit

Description

Our HEX100CS-KIT HDMI2.0 4K60Hz 4:4:4 (18Gbps) HDCP 2.2 HDBaseT™ extender set offers market leading features and outstanding value utilising CSC technology with video down conversion.

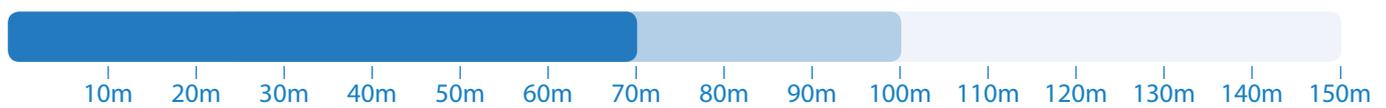
The product extends HDMI, Bi-directional IR & RS-232 and Bi-directional PoH (PoE) up to lengths of 100m (4K to 70m). The Transmitter includes a HDMI loop-out for integrating local displays or cascading to multiple devices. The Receiver features simultaneous analogue stereo and digital coax audio breakout.



Key Features

- Advanced HDBaseT™ technology offering distribution of video and audio over a single CAT cable
- Advanced Colour Space Conversion (CSC) supports HDMI 2.0 18Gbps specification including HDR support
- Video down-conversion on HDMI Receiver output allows a display only capable of supporting lower video resolutions (4K 60Hz 4:2:0 or 1080p) to receive the native 4K 60Hz 4:4:4 or 4K 60Hz 4:2:0 video content while still showing maximum original 4K UHD resolution on the Transmitter HDMI loop out.
- Supports 4K 60Hz 4:4:4 UHD video up to 70m
- Extends HDMI 1080p video up to 100m
- Features 1 x HDMI loop-out on HEX100CS-TX for integrating local displays or cascading to multiple devices
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- Supports all known digital HDMI audio formats including Dolby TrueHD, Atmos; DTS-HD Master Audio and DTS:X transmissions
- HDMI re-clocking on the HDBaseT™ Receiver to help solve HDMI HDCP, compatibility and handshaking issues
- HDMI audio breakout to analogue L/R audio and coaxial digital outputs concurrently
- Supports bi-directional RS-232 pass through
- Supports bi-directional IR pass through
- Supplied with Blustream 5V IR receiver and emitter
- Advanced EDID management
- HDCP 2.2 compliant

Transmission Distance via Cat6



- 4K 60Hz 4:4:4
- 1080p



HEX100CS-TX Transmitter

Video Input Connectors: 1 x HDMI Type A, female
Video Output Connectors: 1 x HDBaseT™ RJ45 connector, 1 x HDMI Type A, female
RS-232 serial port: 1 x DB-9 female
IR Input ports: 1 x 3.5mm stereo jack
IR Output ports: 1 x 3.5mm mono jack
EDID DIP switch: 4-PIN

Specifications

- IR Input Ports: 2 x 3.5mm stereo jack
- IR Output Ports: 2 x 3.5mm mono jack
- Transmitter Dimensions (W x D x H): 143mm x 134mm x 22mm
- Receiver Dimensions (W x D x H): 113mm x 124mm x 22mm
- Shipping Weight: 1.4kg
- Operating Temperature: 32°F to 104°F (0°C to 40°C)
- Storage Temperature: -4°F to 140°F (-20°C to 60°C)

Regulatory Compliance



Colour Space Conversion (CSC) Technology in HDBaseT™

Due to the data rate of HDBaseT™ technology being capped at 10.2Gbps, it is unable to pass the latest native 4K UHD resolutions of 4K 60Hz 4:4:4. There is now a requirement to integrate video resolutions with data speeds up to 18Gbps across a multi-zone AV environment. Blustream have implemented CSC (Colour Space Conversion) technology into our latest products to ensure 4K HDR signals can now be supported over the 10.2Gbps infrastructure of HDBaseT™*.

Colour Space Conversion reduces the data rate of the HDMI signal by converting the colour space (or Wide Colour Gamut) from 4:4:4 or 4:2:2 to a lower format. Within Colour Space Conversion technology the native resolution, frame rate and colour depth all remain constant from end to end. The only part of the signal that is converted during transmission is the colour gamut.

*Blustream CSC products do not support HDR10+ or Dolby Vision due to the way these specific variations of HDR are encoded. These codecs transmit repeated metadata packets throughout the transmission of any media making it impossible at this stage to convert in the same way using CSC technology.

Blustream cannot be held responsible for errors in typography or photography. Specifications are subject to change without notice.

HEX100CS-RX Receiver

Video Input Connectors: 1 x HDBaseT™ RJ45 connector
Video Output Connectors: 1 x HDMI Type A, female
RS-232 serial port: 1 x DB-9 female
IR Input ports: 1 x 3.5mm stereo jack
IR Output ports: 1 x 3.5mm mono jack
Audio Output Connectors: 1 x RCA (S/PDIF) & 2x Analogue RCA (Left/Right)

Included Accessories

IR Accessories	1 x IRE, 1 x IRR
Rack Mount	Mounting brackets
Power Supply	12V/2A DC, screw type connector