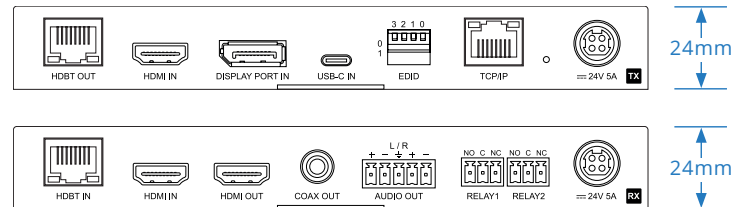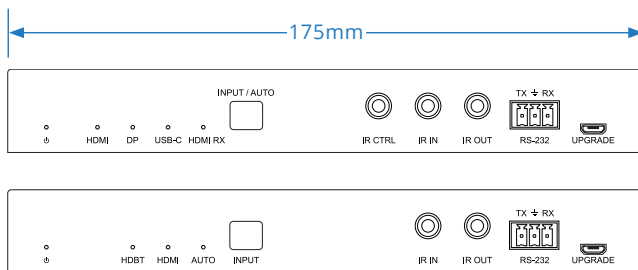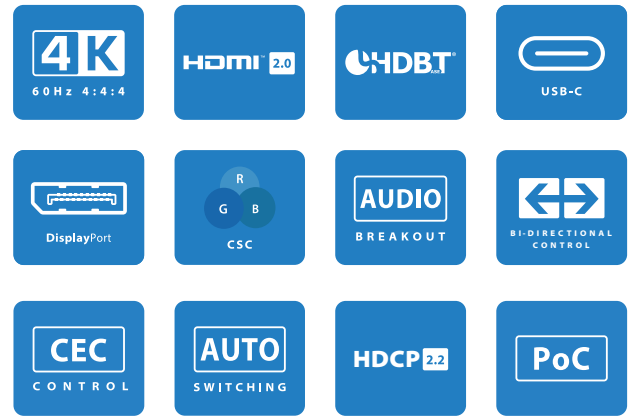# HEX70HDU-KIT

BLUSTREAM

Multi Format HDBaseT™ CSC Extender Set

Description

The HEX70HDU-KIT extender set is an industry leading HDMI 2.0 4K 60Hz 4:4:4 (18Gbps) HDCP 2.2 HDBaseT™ multi-format solution utilising CSC technology to deliver HDMI, USB-C and DisplayPort™ at 4K to 40m (with 1080p up to 70m) over a single CAT cable.
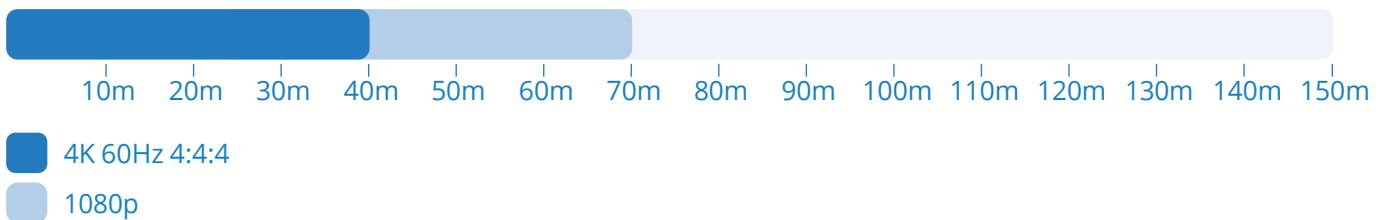
The HEX70HDU-KIT provides enhanced features including local HDMI input on the HDBaseT™ Receiver for additional source input, Web GUI for control and configuration, auto display control, audio breakout and bi-directional IR pass-through. The HEX70HDU-KIT also features control via front panel, IR, RS-232 and TCP/IP and advanced EDID and HDCP management.

4K 60Hz 4:4:4	HDMI 2.0	HDBT	USB-C
DisplayPort	CSC	AUDIO BREAKOUT	BI-DIRECTIONAL CONTROL
CEC CONTROL	AUTO SWITCHING	HDCP 2.2	PoC

175mm

INPUT / AUTO

HDMI   DP   USB-C   HDMI RX   IR CTRL   IR IN   IR OUT   TX ÷ RX   RS-232   UPGRADE

HDBT OUT   HDMI IN   DISPLAY PORT IN   USB-C IN   EDID   TCP/IP   24V 5A   TX   **24mm**

HDBT   HDMI   AUTO   INPUT   IR IN   IR OUT   TX ÷ RX   RS-232   UPGRADE

HDBT IN   HDMI IN   HDMI OUT   COAX OUT   L / R   AUDIO OUT   NO C NC NO C NC   RELAY1   RELAY2   24V 5A   RX   **24mm**

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
- Features 1 x HDMI, 1 x USB-C and 1 x DisplayPort™ input on the HDBaseT™ transmitter with manual or auto source selection
- Features 1 x local HDMI input on the HDBaseT™ receiver for connection of a source local to the display
- Supports 4K 60Hz 4:4:4 UHD video up to 40m
- Extends HDMI 1080p up to a distance of 70m
- Supports all known HDMI audio formats including Dolby TrueHD, Atmos and DTS-HD Master Audio transmission
- Supports USB Type C up to 4K UHD 60Hz 4:4:4* (DP1.2 with 60W charging capability)

- Supports DisplayPort™ up to 4K UHD 60Hz 4:4:4, 4K 30Hz 4:4:4 DP1.2
- Audio breakout to analogue L/R audio and Coaxial digital (S/PDIF) outputs concurrently
- Supports bi-directional PoC (Power over Cable) to power extenders from either transmitter or receiver end
- Bi-directional IR pass-through
- Auto display on / off feature allowing control of display at the HDBaseT™ receiver via CEC or RS-232
- Web interface module for control and configuration of HEX70HDU-KIT
- Control via front panel, IR, RS-232 or TCP/IP Advanced EDID and HDCP management

  USB-C video support is limited to 4K 60Hz 4:2:0 when charging feature is activated by the source device

Transmission Distance via Cat6

10m 20m 30m 40m 50m 60m 70m 80m 90m 100m 110m 120m 130m 140m 150m

■ 4K 60Hz 4:4:4

■ 1080p

BLUSTREAM

HDMI   HDBT   Dante   Dolby   dts

HEX70HDU-KIT

BLUSTREAM

HEX70HDU-TX Transmitter

Video Input Connectors: 1 x HDMI Type A, 19-pin, female, 1 x USB-C Type C, 1 x DisplayPort™
Video Output Connectors: 1 x HDBaseT™ RJ45 connector
RS-232 Serial Port: 1 x 3-pin Phoenix connector
Product upgrade: 1 x Micro USB, female
TCP/IP Control: 1 x RJ45, female
IR Control Connections: 1 x 3.5mm stereo for IR control of switching, 1 x 3.5mm mono & 1 x 3.5mm stereo jack for IR pass-through
EDID: 4-pin DIP switch

HEX70HDU-RX Receiver

Video Input Connectors: 1 x HDMI Type A, 19-pin, female, 1 x HDBaseT™ RJ45 connector
Video Output Connectors: 1 x HDMI Type A, 19-pin, female
RS-232 Serial Port: 1 x 3-pin Phoenix connector
Product Upgrade: 1 x Micro USB, female
Audio Output Connectors: 5-pin Phoenix connector (2ch balanced / unbalanced analogue audio), 1 x RCA (S/PDIF)
IR Control Connections: 1 x 3.5mm stereo, 1 x 3.5mm mono jack for IR pass-through
Relay Connections: 2 x 3-pin Phoenix connector

Specifications

- **Transmitter Dimensions (W x H x D):** 175mm x 24mm x 155mm
- **Receiver Dimensions (W x H x D):** 175mm x 24mm x 155mm
- **Power Supply:** 24V/5A DC
- **Shipping Weight:** 2.6kg
- **Operating Temperature:** 32°F to 104°F (-5°C to +55°C)
- **Storage Temperature:** -4°F to 140°F (-25°C to +70°C)

Included Accessories

IR Accessories	1 x IRE, 1 x IRR, 1 x IRCAB
Rack Mount	2 x Mounting Brackets Sets
Power Supply	24V/5A DC

Regulatory Compliance

FC   CE   RoHS Compliant   CAN ICES-3 (B)/NMB-3(B)

BLUSTREAM   HDMI   HDBT   Dante   Dolby   dts