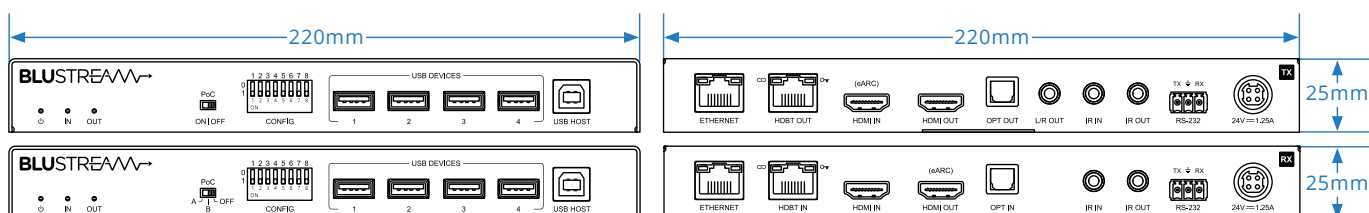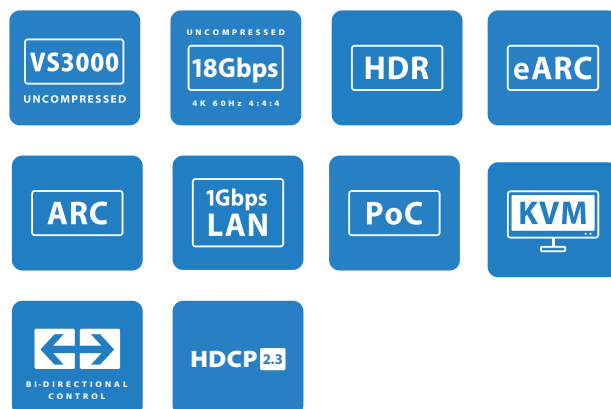# HEX18GARC-KIT

BLUSTREAM

Advanced HDBaseT™ Extender Set

Description

The HEX18GARC-KIT extender set is an industry leading uncompressed, unconverted HDMI 2.0 4K 60Hz 4:4:4 HDCP 2.3/2.2 solution utilising the latest in HDBaseT™ technology.

The HEX18GARC-KIT supports uncompressed distribution of the latest HDR resolutions including HDR10/10+ and Dolby Vision resulting in the ultimate in picture quality for your critical viewing areas.

The HEX18GARC-KIT supports bi-directional IR, RS-232 and PoC up to lengths of 100m over a single CAT6A cable. The HEX18GARC-KIT also provides enhanced features including KVM, eARC via HDMI, or ARC via HDMI or Optical (S/PDIF), and 1Gbps Ethernet pass through.

VS3000 UNCOMPRESSED | UNCOMPRESSED 18Gbps 4K 60Hz 4:4:4 | HDR | eARC

ARC | 1Gbps LAN | PoC | KVM
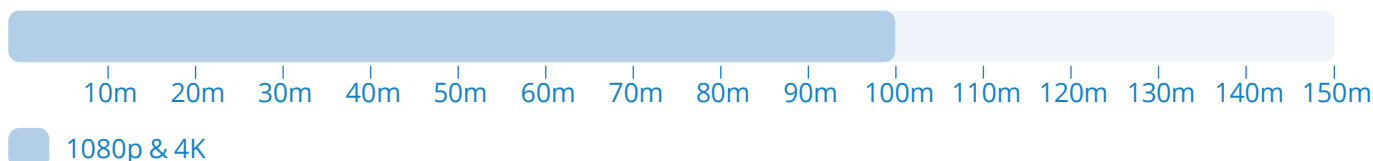
BI-DIRECTIONAL CONTROL | HDCP 2.3

Key Features

- Advanced uncompressed, unconverted, HDMI over HDBaseT™ technology offering distribution of bit-for-bit 4K HDMI video and audio over a single CAT6A cable

- Supports HDMI2.0 18Gbps specification including 4K 60Hz 4:4:4 UHD video

- Supports uncompressed distribution of the latest HDR resolutions including HDR10/10+ and Dolby Vision

- Supports HDMI video distribution up to 100m*

- Features 1x HDMI loop-out on HEX18GARC-TX for integrating local displays or cascading to multiple devices

- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K

- HDMI re-clocking on the HDBaseT™ Receiver to help solve HDMI HDCP, compatibility, and handshaking issues

- Supports eARC (Enhanced Audio Return Channel) from display via HDMI, and standard ARC from HDMI and Optical (S/PDIF) digital inputs

- Supports audio return to HDMI (eARC compatible), optical digital, and analogue L/R audio outputs (analogue output supports 2ch PCM only)

- Supports all known HDMI audio formats including Dolby Atmos, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission

- Features USB 2.0 for KVM with a combined speed of up to 350Mbps

- Bi-directional Ethernet (1Gb), IR, & RS-232 pass through

- Supplied with Blustream IR receiver and emitter

- Bi-directional PoC (Power over Cable) to power extenders from either transmitter or receiver end

- Support for HDCP 2.3, HDCP 2.2 and HDCP 1.4

  Transmission distance is subject to video format, cable type and installation environment. It is recommended to use a minimum of CAT6A cabling

Transmission Distance CAT6A *

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

■ 1080p & 4K

* Transmission distance is subject to video format, cable type and installation environment. It is recommended to use a minimum of F/UTP CAT6A cabling.

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HDMI | HDBT | Dante | Dolby | dts

HEX18GARC-RX Connectivity

- **Video Input Connectors:** 1x HDBaseT™ RJ45 connector, 1x HDMI Type A, female (reserved for future use)
- **Video Output Connectors:** 1x HDMI Type A, female
- **Audio Input Connectors:** 1x Optical (S/PDIF)
- **Ethernet port:** 1x RJ45 connector
- **RS-232 serial port:** 1x 3-pin Phoenix connector
- **USB/KVM Port:** 1x USB-Type B, 4x USB-Type A
- **IR Input ports:** 1x 3.5mm stereo jack
- **IR Output ports:** 1x 3.5mm mono jack
- **CTRL:** 8-PIN DIP switch

HEX18GARC-TX Connectivity

- **Video Input Connectors:** 1x HDMI Type A, female
- **Video Output Connectors:** 1x HDBaseT™ RJ45 connector, 1x HDMI Type A, female
- **Audio Output Connectors:** 1x Analogue audio L/R (3.5mm stereo Jack), 1x Optical (S/PDIF)
- **Ethernet port:** 1x RJ45 connector
- **RS-232 serial port:** 1x 3-pin Phoenix connector
- **USB/KVM Port:** 1x USB-Type B, 4x USB-Type A
- **IR Input ports:** 1x 3.5mm stereo jack
- **IR Output ports:** 1x 3.5mm mono jack
- **CTRL:** 8-PIN DIP switch

Specifications

- **Casing Dimensions (W x D x H):** 220mm x 100mm x 25mm (TX/RX)
- **Shipping Weight (Kit):** 1.85kg
- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)
- **Storage Temperature :** -4°F to 140°F (-20°C to 60°C)
- **Mounting kits included**
- **Power Supply:** 1x 24V/1.25A DC

Included Accessories

Mounting	4 x Brackets
IR Accesories	1 x IRR, 1 x IRE1
Power Supply	1 x 24V/1.25A DC
Cables	1 x USB-A to B

Regulatory Compliance