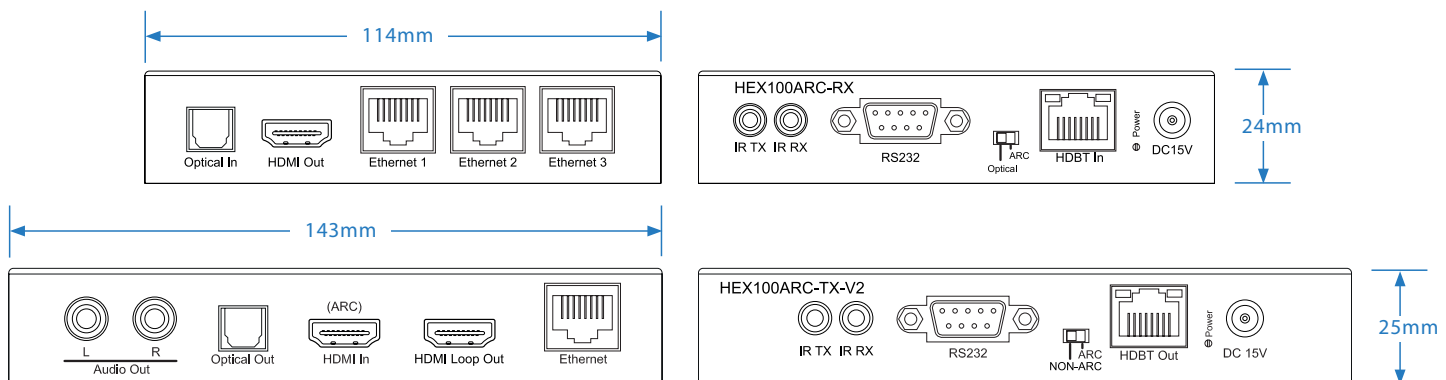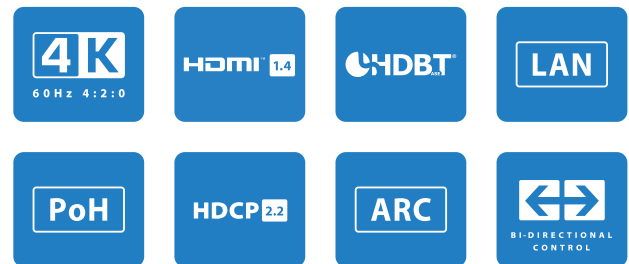# HEX100ARC-KIT-V2

BLUSTREAM
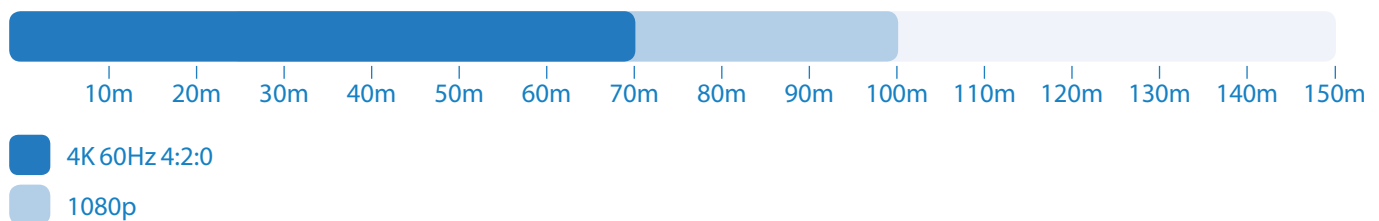
HDBaseT™ Extender Kit

Description

Our Platinum Range of HDBaseT™ products offer the very best in performance and flexibility. The HEX100ARC-KIT-V2 extender set is an industry leading 4K HDBaseT solution delivering HDMI with HDCP 2.2 support, Bi-directional IR, RS232 and PoH (PoE) up to lengths of 100m over a single CAT cable. The HEX100ARC-KIT-V2 also provides enhanced features including HDMI loop-out on the Transmitter, ARC via HDMI or Optical (S/PDIF) and an integrated 3-port Ethernet switch.

4K 60Hz 4:2:0   **HDMI 1.4**   **HDBT**   **LAN**

PoH   **HDCP 2.2**   **ARC**   **BI-DIRECTIONAL CONTROL**

114mm

Optical In   HDMI Out   Ethernet 1   Ethernet 2   Ethernet 3

HEX100ARC-RX   IR TX IR RX   RS232   ARC Optical   HDBT In   Power   DC15V   24mm

143mm

L   R
Audio Out   Optical Out   (ARC) HDMI In   HDMI Loop Out   Ethernet

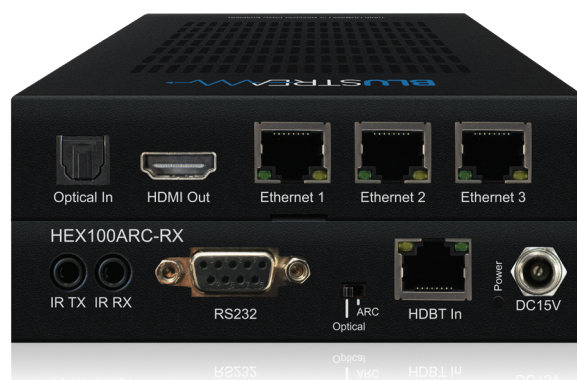HEX100ARC-TX-V2   IR TX IR RX   RS232   ARC NON-ARC   HDBT Out   Power   DC 15V   25mm

Key Features

- Advanced HDBaseT™ technology offering uncompressed video and audio with zero latency
- Extends HDMI up to a distance of 100m over single CAT cable at 1080p
- Supports 4K UHD video up to 70m (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- Supports 3D signal display
- Supports CEC bypass (Consumer Electronics Control)
- Features 1 x HDMI loop out for integrating local displays or cascading to further signal distribution devices
- Supports ARC (Audio Return Channel) from display via HDMI or Optical digital inputs (to 90m max distance*)

- Supports audio return to HDMI, Optical digital and analogue L/R audio outputs (DAC PCM only)
- Supports bitstream passthrough of multichannel surround sound including object-based audio formats in line with HDMI specifications.
- Integrated 3-port 10/100BaseT Ethernet switch (LAN Serving)
- Bi-directional RS-232 pass through
- Bi-directional IR from all input and output locations
- Supplied with Blustream IR receiver and emitter
- Bi-directional PoH (Power over HDBaseT) to power extenders from either transmitter or receiver end
- HDCP 2.2 support

Transmission Distance via Cat6

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

4K 60Hz 4:2:0

1080p

HEX100ARC-TX-V2

L R
Audio Out Optical Out (ARC) HDMI In HDMI Loop Out Ethernet

IR TX IR RX RS232 ARC NON-ARC HDBT Out Power DC 15V

HEX100ARC-RX

Optical In HDMI Out Ethernet 1 Ethernet 2 Ethernet 3

IR TX IR RX RS232 ARC Optical HDBT In Power DC15V

HEX100ARC-TX-V2 Transmitter

Video Input Connectors: 1 x HDMI Type A, female
Video Output Connectors: 1 x HDBaseT RJ45 connector, 1 x HDMI Type A, female
Audio Output Connectors: 2 x RCA (L/R), 1 x Optical (S/PDIF)
Ethernet port: 1 x RJ45 connector
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
2 x mounting bracket

HEX100ARC-RX-V2 Receiver

Video Input Connectors: 1 x HDBaseT RJ45 connector
Video Output Connectors: 1 x HDMI Type A, female
Audio Input Connectors: 1 x Optical (S/PDIF)
Ethernet port: 3 x RJ-45 connector
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

Specifications

- Transmitter Dimensions (W x D x H): 143mm x 135mm x 25mm
- Receiver Dimensions (W x D x H): 114mm x 135mm x 24mm
- Shipping Weight: 0.9kg
- Operating Temperature: 32°F to 104°F (0°C to 40°C)
- Storage Temperature : -4°F to 140°F (-20°C to 60°C)

Included Accessories

IR Accessories	1 x IRE, 1 x IRR
Rack Mount	Mounting brackets
Power Supply	15V/2A DC, screw type connector

Regulatory Compliance

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