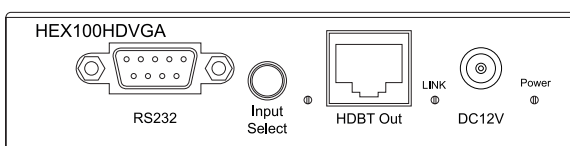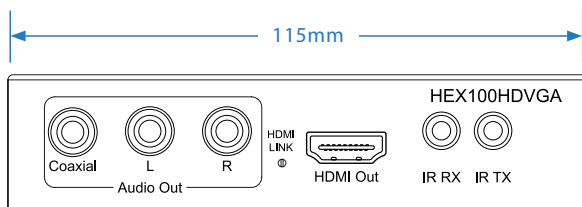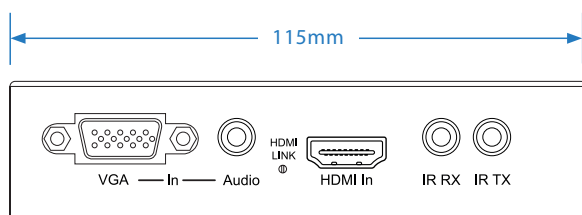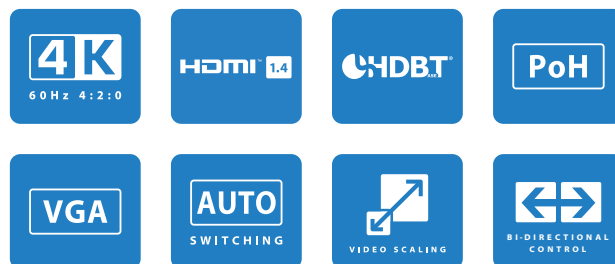## HDBaseT™ Extender Kit

Description

Our HEX100HDVGA-KIT extender set is an industry leading 4K UHD HDBaseT™ solution that delivers switchable HDMI and VGA inputs. The extender set also transmits Bi-directional IR, RS-232 and PoH (PoE) up to lengths of 100m over a single CAT cable.

4K 60Hz 4:2:0 | HDMI 1.4 | HDBT | PoH
VGA | AUTO SWITCHING | VIDEO SCALING | BI-DIRECTIONAL CONTROL

115mm

VGA — In — Audio   HDMI In   IR RX   IR TX

HEX100HDVGA
RS232   Input Select   HDBT Out   LINK   DC12V   Power   30mm

115mm

HEX100HDVGA
Coaxial   L   R   HDMI Out   IR RX   IR TX
Audio Out

RS232   Input Select   HDBT In   LINK   DC12V   Power   30mm
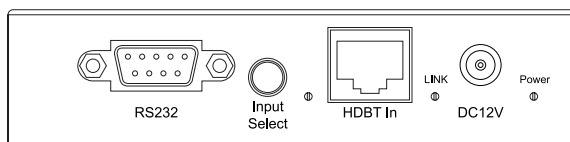
Key Features

- Extends HDMI and VGA / Audio up to a distance of 100m over single CAT cable
- Auto signal sensing switches between HDMI and VGA / Audio inputs will display last input signal connected
- Manual switching between inputs using toggle button or RS-232 control on either Transmitter or Receiver
- 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 industry standard video resolutions from 480i-4K and most industry standard VGA resolutions (check manual for full list of supported VGA resolutions)

- Supports full 3D signal display
- Supports CEC bypass (Consumer Electronics Control) - HDMI only
- Supports all known HDMI audio formats including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master Audio transmission
- Supports bi-directional RS-232 pass through
- Supports bi-directional IR from all input and output locations
- Supplied with Blustream IR receiver and emitters
- Supports bi-directional POH (Power over HDBaseT™) to power extenders from either transmitter or receiver end
- HDCP 1.4 compliant

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
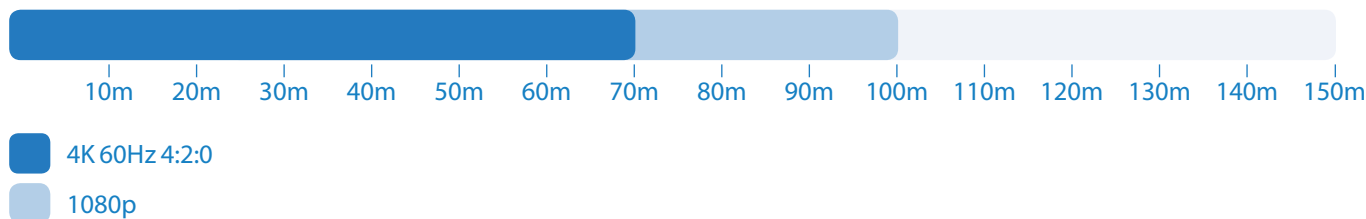
HEX100HDVGA-TX Transmitter

Audio Input Connectors: 1 x Analogue Left / Right 3.5mm Stereo Jack
Video Input Connectors: 1 x HDMI Type A & 1 x VGA (DB-15)
Video Output Connectors: 1 x HDBaseT™ RJ45 connector
IR Input Ports: 1 x 3.5mm stereo jack
IR Output Ports: 1 x 3.5mm mono jack
RS-232 Serial Port: 1 x DB9, female
Mounting brackets included

HEX100HDVGA-RX Receiver

Audio Output Connectors: 2 x Analogue RCA Left / Right & Coaxial digital
Video Input Connectors: 1 x HDBaseT™ RJ45 connector
Video Output Connectors: 1 x HDMI Type A
IR Input Ports: 1 x 3.5mm stereo jack
IR Output Ports: 1 x 3.5mm mono jack
RS-232 Serial Port: 1 x DB9, female
Mounting brackets included

Specifications

- **Balun Dimensions (WxDxH):** 115mm x 135mm x 30mm
- **Shipping Weight:** 1.2kg
- **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	12V/2A DC, screw type connector

Control

RS-232
Buttons (TX & RX)

RS-232 Connectivity

Baud Rate:	9600
Data Bit:	8-Bit
Parity:	None
Stop Bit:	1-Bit
Flow Control:	None

Regulatory Compliance

CAN ICES-3 (B)/NMB-3(B)