

VEX100-18G-KIT 4K HDBaseT Extender Kit

Experience exceptional extender performance and flexibility:

Extends audio, video, network, and RTI control up to 100m across a single CAT cable

Supports 4K UHD video from the source to the display

Sends audio from the display to the audio distribution (AD-4x/8x) platform using ARC

This 4K HDBaseT™ solution delivers ultra-high-resolution HDMI® video with HDCP 2.2 support, bi-directional IR, RS232 and PoH (Power over HDBaseT) up to lengths of 328ft/100m over a single CAT-5e or higher cable. The VEX100-18G-KIT gives integrators the ability to extend the control network without the need for additional cables..

Key Features

- Advanced HDBaseT™ technology offering uncompressed video and audio with zero latency
- Supports 4K UHD video up to 70m (Full 3840 x 2160 @50/60Hz 4:4:4 resolution) and 1080P up to a distance of 100m over single CAT cable
- Supports ARC (Audio Return Channel) from connected display via HDMI® or optical digital inputs
- Supports Bi-directional IR from all input and output locations and bi-directional RS-232 pass through”
- Supports all known HDMI® audio formats including Dolby TrueHD®, Dolby Atmos®, Dolby Digital Plus® and DTS-HD Master Audio® transmission
- Extend your control network with an integrated Ethernet port (LAN Serving).
- Supports bi-directional PoH (Power over HDBaseT™) to power extender from either Matrix, transmitter or receiver end
- HDCP 2.2 support

Included in the Box

VEX100-18G-TX (1), VEX100-18G-RX (1), IR Receiver (1), IR Transmitter (1), 15V/2A DC power supply (1), Mounting brackets (2)



VEX100-18G-TX HDBaseT™ Transmitter



VIP-UHD-RX 4K Video over IP Receiver

Specifications

VEX100-18G-TX Transmitter

Video Input Connectors..... 1 x HDMI® Type A, female
 Video Output Connectors 1 x HDBaseT™ RJ45 Connector
 Audio Output Connectors 2 x RCA (L/R), 1 x Optical (SPDIF)
 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
 Dimensions 5.3" x 5.1" x .9" (134mm x 129mm x 22mm)
 (without connectors or feet).....

VEX100-18G-RX Receiver

Video Input Connectors..... 1 x HDBaseT™ RJ45 Connector
 Video Output Connectors 1 x HDMI® Type A, female
 Audio Input Connectors 1 x Toslink
 Ethernet Port..... 1 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
 Dimensions 5.3" x 5.1" x .9" (134mm x 129mm x 22mm)
 (without connectors or feet).....

General Specs

Power Supply 1 x 15V/2A DC, Screw Connector
 HDBaseT Transmission 1080p@50/60Hz ≤ 328ft (100m)
 Distance 3840 x 2160 @50/60Hz 4:4:4 ≤ 229ft (70m)
 Max. Bandwidth..... 18Gbps
 Shipping Weight (Kit)..... 3.5lbs (1.6kg)
 Operating Temperature 32°F to 104°F (0°C to 40°C)
 Storage Temperature -4°F to 140°F (-20°C to 60°C)
 Warranty Three Years (Parts & Labor)

All features and specifications subject to change without notice

State-of-the-Art Video Technology



HDBaseT™

No bottleneck with the latest HDBaseT™ 18Gbps standard that provides the highest possible bandwidth that currently exists.



4K UHD

Enjoy stunning picture quality with 4K UHD resolution.



2160p/60Hz/4:4:4

Eliminate blurred fast motions in action movies. 4K resolution paired with 60Hz refresh rate provides a crystal clear and crisp picture quality.



Long Distance

Go beyond the distance limitations of HDMI® cables. Video can be transmitted over a Cat cable up to 328ft/100m.



HDCP 2.2

Be fully compliant with the latest copy protection algorithms to avoid black screens when connecting an HDMI® source.



ARC

Watch TV or movies in 5.1 Dolby or DTS audio by sending the TV audio to an AVR located up to 328ft/100m away.



Power over HDBaseT™

Get rid of extra power supplies for HDBaseT™ receivers. Remote devices can be powered over the HDBaseT cable.

Do more with Integration Designer 11

Integration Designer 11 elevates the experience for all RTI systems, from residential to commercial. Its stunning new template - complete with custom slider support, one-click background swapping and more - makes it faster than ever to deliver a beautiful finish to every installation. Drivers are directly accessible from within the software, with notifications to keep you always up to date. The integrated system manager lets you track rooms, room status, and source status to save time on every installation. All this and more in [Integration Designer 11](#).

