



TEKVOX's **HDBTE-U70-VH-TX (Transmitter)/HDBTE-U70-VH-RX (Receiver)** is a Dual HDMI and VGA/Audio to HDBaseT Switcher Extender. It switches between HDMI and VGA/audio inputs, digitizes, and transmits via HDBaseT. Both the transmitter and receiver offer manual and RS232 switching between HDMI and VGA inputs. By using **HDBTE-U70-VH-TX** and **HDBTE-U70-VH-RX**, the transmission distance for 1080P reaches up to 100 meters (330ft), and 4K x2K up to 70 meters (230ft).

The **HDBTE-U70-VH-TX** and **HDBTE-U70-VH-RX** have the ability to equalize and amplify to ensure signal transmission through long cable with POH (power over HDBaseT) without quality loss.

## Features

- Switching between HDMI and VGA with 3.5mm audio input, HDMI output with L/R Analog audio and Coax Digital audio outputs.
- HDMI v1.4 and HDCP compliant, support 1080p@60Hz, 3D and 4Kx2K.
- Support 1080P@60Hz or VESA: 1920x1200@60Hz up to 100m (330ft).
- Transmission distance for 4Kx2K@30Hz up to 70m (230ft).
- Support all popular VGA resolution inputs:  
640x480@60/75Hz, 720x400@70Hz, 800x600@60/75Hz, 1024x768@60/75Hz, 1152x864@75Hz, 1280x720@60Hz, 1280x768@60/75Hz, 1280x800@60/75Hz, 1280x960@60Hz, 1280x1024@60/75Hz, 1360x768@60Hz, 1366x768@60Hz, 1400x1050@60Hz, 1440x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1080@60Hz, 1920x1200@60Hz
- Support Bi-Directional POH and Bi-Directional IR.
- Support EDID learning mode
- RS232 supports 4 modes: bypass through HDBaseT link(Default), control the switching between VGA and HDMI inputs, update Valens FW and update MCU FW
- ESD Protection.

## Specifications

### HDBTE-U70-VH-TX:

Bandwidth:	2.97Gbps per color
Video Input Connectors:	1 x HDMI Type A, 19-pin, female, locking 1 x VGA Type A, 15-pin, female, locking
Video Output Connectors:	1x RJ-45
RS-232 serial port:	DB-9, female
IR Input ports:	1x 3.5mm stereo jack
IR Output ports:	1x 3.5mm stereo jack
Rack-Mountable:	Rack ears included
Dimensions (W x H x D):	125mm x 112mm x 27mm , without feet
Shipping Weight:	375g
Operating Temperature:	32°F to 104°F (0°C to 40°C)
Storage Temperature :	-4°F to 140°F (-20°C to 60°C)
Power Supply:	12V/2A DC

### HDBTE-U70-VH-RX:

Bandwidth:	2.97Gbps per color
Video Input Connectors:	1x RJ-45
Video Output Connectors:	1 x HDMI Type A, 19-pin, female, locking
Audio Output Connectors:	3x RCA, female
RS-232 serial port:	DB-9, female
IR Input ports:	1x 3.5mm stereo jack
IR Output ports:	1x 3.5mm stereo jack
Rack-Mountable:	Rack ears included
Dimensions (W x H x D):	125mm x 112mm x 27mm , without feet
Shipping Weight:	375g
Operating Temperature:	32°F to 104°F (0°C to 40°C)
Storage Temperature :	-4°F to 140°F (-20°C to 60°C)
Power Supply:	12V/2A DC

## Package Contents

1. 1x HDBTE-U70-VH-TX
2. 1x HDBTE-U70-VH-RX
3. 1x 12V DC power supply
4. 1x IR Transmitter, 1x IR Receiver.
5. 4x mounting brackets.