

Sold as set or separately



VHT-1x
Transmitter Input View



VHT-1x
Transmitter Output View



VHR-1x
Receiver Input View



VHR-1x
Receiver Output View

RTI Control System



VHP-1x HDBaseT™ Class B Extender Set

Rather than investing in a separate set of video sources at each TV location, in many cases it is more cost effective and easier to manage shared content. However, most HDMI cables are not capable of delivering video over long distances. In addition, as the video resolution and color improves (ex. 4K UHD), data bandwidth requirements increase and the maximum HDMI cable length is further reduced.

The VHP-1x Extender Set utilizes Class B HDBaseT technology to deliver 4K video to a display or projector located up to 131ft (40m) away. The transmitter and receiver also transmit IR signals through the same cable to control the remote display.

VHT-1x HDBaseT Class B Video Transmitter

The VHT-1x HDBaseT Transmitter delivers an HDMI 1080p video signal over a single Cat5e/6/7 cable, up to 230ft (70m) and a 4K signal up to 131ft (40m) to the VHR-1x HDBaseT Receiver. To speed up installations and troubleshooting, the transmitter is equipped with a link quality indicator, which will flash if the Category cable has an issue such as being too long or has been damaged.

VHR-1x HDBaseT Class B Video Receiver

The VHR-1x HDBaseT Receiver receives an HDMI video signal over a single Cat5e/6/7 cable from a VHT-1x HDBaseT Transmitter or from a HDBaseT Video Matrix Switcher. The receiver is powered through the connected Category cable using PoH (Power over HDBaseT). It also receives an IR control signal through the same cable and delivers it to the connected display or projector.

Key Features

- Extends HDMI video 1080p up to 230ft (70m) and 4K up to 131ft (40m) over a single Cat5e/6/7 cable.
- HDMI-CEC Bi-Directional Control.
- Bi-Directional IR Control.
- VHT-1x link quality indicator flashes if the Category cable has an issue (ex. Too long, damaged, improperly terminated etc).
- Power supply included (transmitter) with Power over HDBaseT to receiver.
- Low Profile - Wall mountable (brackets sold separately).
- HDCP 2.2 compliant.
- Automatic EDID support.
- Full HDMI Audio support.

Specifications

Power Supply 1 x 48V @ 0.5A (Transmitter only)
 Receiver is powered via Power over HDBaseT from Transmitter
 Power Consumption Transmitter: 3W / Receiver: 5.5W
 Wall Mountable Yes - brackets sold separately
 Dimensions HxWxD 0.7in(18mm) x 3.22in(82mm) x 4.52in(115mm) each
 Weight 0.31 lbs (140g) each
 Operating Temperature 0 to +40°C (+32 to +104°F)
 Operating Humidity 20 to 90% RH Non-condensing
 Transmitter Inputs 1x HDMI
 Transmitter Outputs 1x HDBaseT Class B (PoH) (RJ45)
 Receiver Inputs 1x HDBaseT Class B (PoH) (RJ45)
 Receiver Outputs 1x HDMI
 HDBaseT Transmission Distance 1080P @60Hz ≤230ft (70m)
 4K @30Hz ≤131ft (40m)
 HDBaseT Recommended Cable Cat5e or greater
 Color Supported 4K: 8bit, 1080p: 12bit
 Color Depth Up to 36bit (3x 12bit)
 TMDS Clock Speed 340Mhz
 Max Bandwidth 10.2Gbps
 Compliance HDCP 1.4 and HDCP 2.2
 PoH PoH (Power over HDBaseT) to Receiver
 IR Control One IR In, One IR Out, 3.5mm jacks,
 compatible with industry standard IR repeaters and receivers
 CEC Control Full
 Warranty Three Years (Parts & Labor)

All Specifications subject to change without notice.

RTI User Interfaces

Remote Controls
 Keypads
 Audio Control Keypads
 In-Wall Touchpanels
 Tabletop Touchpanels
 Mobile Apps



RTI Control Accessories

Control Processors
 System Kits
 RS-232 Modules
 IR Modules
 Relay Modules
 Z-Wave Modules



RTI Audio/Video Distribution

HDMI Splitters & Switchers
 HDMI Matrix Switchers
 HDBaseT Matrix Switchers
 HDBaseT Extenders
 Presentation Switchers
 Video over IP Transceivers



Remote Technologies Incorporated
 5775 12th Avenue East, Suite 180, Shakopee, MN 55379
 PH: (952) 253-3100 • Website: www.rticorp.com

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