



VHT-1
HDBaseT Transmitter



VHR-1
HDBaseT Receiver



VHT-1 HDBaseT Video Transmitter

The VHT-1 HDBaseT Video Transmitter delivers an HDMI 1080p video signal over Cat5e/6 up to 230ft (70m) and a 4K signal up to 115ft (35m) to the VHR-1 HDBaseT Video Receiver. VHT-1 powers the VHR-1 through the Cat5e/6 cable using PoH (Power over HDBaseT). It also transmits an IR or RS-232 signal through the same Cat5e/6 cable to control the remote display or projector that's connected to the VHR-1 receiver.

Key Features

- Support for high resolution video at 4K, 3D and 1080p.
- HDCP 2.2 Compliant and DVI compatible, supporting HDMI 1.4a & DV11.0.
- Utilizes HDBaseT technology for HDMI video, IR & RS-232 control and power over Cat5e/6 cable.
- Extends HDMI video at 1080p resolution up to 230ft (70m) and 4Kx2K up to 115ft (35m).
- Provides power to a VHR-1 HDBT Receiver via PoH (Power over HDBaseT).
- One infrared input for control of a remote device.
- One RS232 input for one-way control of remote devices.

VHR-1 HDBaseT Video Receiver

The VHR-1 HDBaseT Video Receiver receives an HDMI video signal over Cat5e/6 from a VHT-1 HDBaseT Video Transmitter or from a VHD-4/8 HDBaseT Video Matrix Switch. VHR-1 can be powered by the included power supply or through the connected Cat cable using PoH (Power over HDBaseT). It also receives an IR or RS-232 control signal through the same Cat cable and delivers it to the connected display or projector.

Key Features

- HDBaseT receiver for VHD-4, VHD-8 and VHT-1.
- Support for high resolution video at 4K, 3D and 1080p.
- HDCP 2.2 Compliant and DVI compatible, supporting HDMI 1.4a & DV11.0.
- Utilizes HDBaseT technology for HDMI video, IR & RS-232 control and power over Cat5e/6 cable.
- Transmits HDMI video at 1080p resolution up to 230ft (70m) and 4Kx2K up to 115ft (35m)
- Powered via PoH (Power over HDBaseT) from VHD4/8 HDBT Matrix Switch or VHT-1.
- One infrared emitter output for control of remote devices.
- One RS232 output for two-way control of remote devices.

Specifications

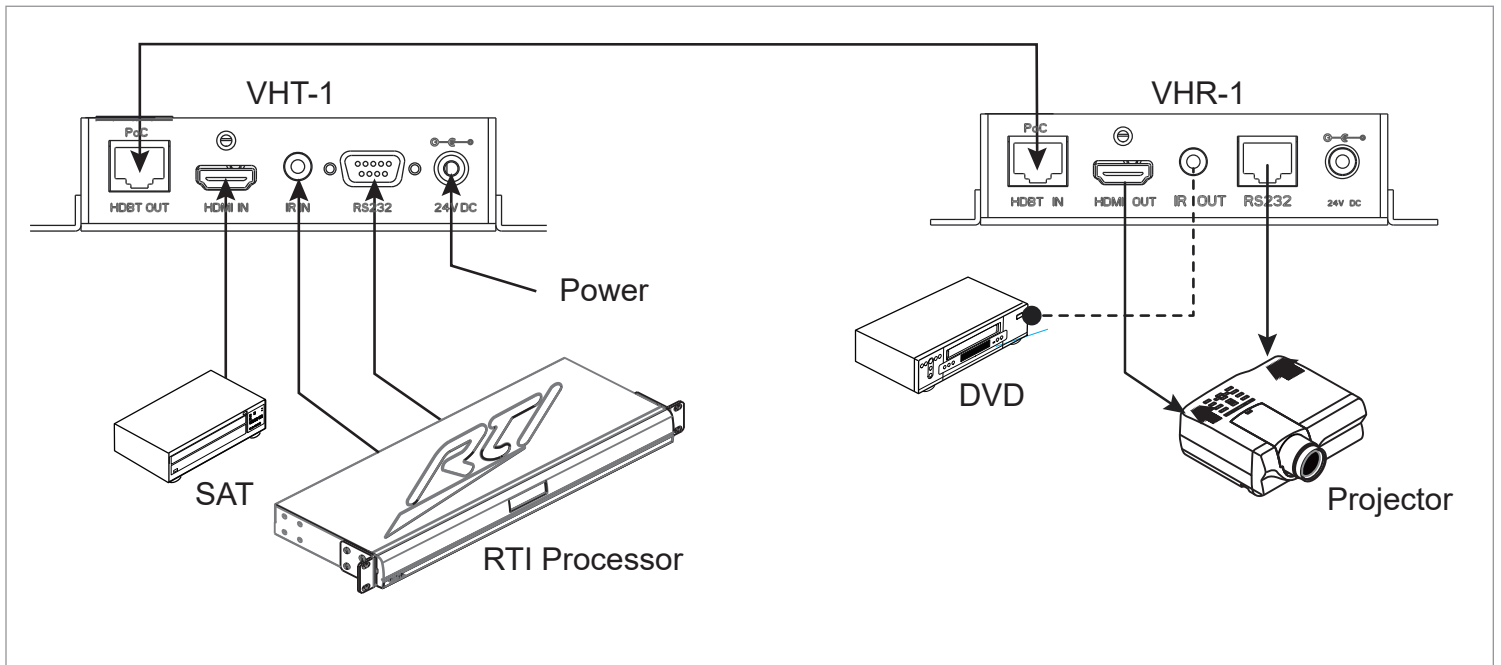
VHT-1 (Transmitter)

Power Supply.....	24VDC 1.25A
Dimensions HxWxD.....	1.18in(30mm) x 4.92in(125mm) x 3.03in(77mm)
Weight	0.51 lbs (0.232kg)
Operating Temperature.....	C 0 to +40 degrees F +32 to +104 degrees
Operating Humidity.....	5% to 95% Non-condensing
Video Input	One HDMI
Video Output.....	One HDBaseT (PoH) (RJ45)
Output Level	T.M.D.S. 2.9V~3.3V
Output Impedance.....	100Ω (Differential)
Gain.....	0dB
Bandwidth.....	10.2Gbit/s
Video Signal	HDMI (or DVI-D)
Resolution Range.....	Up to 4K x 2K@30Hz
HDBaseT Transmission Distance	1080P@60Hz ≤230ft (70m)
.....	4Kx2K@30Hz ≤115ft (35m)
EDID Management.....	Built-in EDID data and manual EDID management
HDCP	Supports up to HDCP 2.2
IR In.....	One, 3.5mm jack, compatible with
.....	industry standard IR repeaters and receivers
Serial (RS-232) Port.....	One, Bi-directional Female DB-9
Warranty.....	Three Years (Parts & Labor)

VHR-1 (Receiver)

Power Supply.....	Powered via PoH (Power over HDBaseT)
Dimensions HxWxD.....	1.18in(30mm) x 4.92in(125mm) x 3.03in(77mm)
Weight	0.54 lbs (0.244kg)
Operating Temperature.....	C 0 to +40 degrees F +32 to +104 degrees
Operating Humidity.....	5% to 95% Non-condensing
Video Input	One HDBaseT (PoH) (RJ45)
Video Output.....	One HDMI
Output Level	T.M.D.S. 2.9V~3.3V
Output Impedance.....	100Ω (Differential)
Gain.....	0dB
Bandwidth.....	10.2Gbit/s
Video Signal	HDMI (or DVI-D)
Resolution Range.....	Up to 4K x 2K@30Hz
HDBaseT Transmission Distance	1080P@60Hz ≤230ft (70m)
.....	4Kx2K@30Hz ≤115ft (35m)
EDID Management.....	Built-in EDID data and manual EDID management
HDCP	Supports up to HDCP 2.2
IR Out.....	One, 3.5mm jack, compatible with
.....	industry standard IR repeaters and receivers
Serial (RS-232) Port.....	One, Bi-directional RJ45
Warranty.....	Three Years (Parts & Labor)

All features and specifications subject to change without notice



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