



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 & DVI1.0.
- 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 4K 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 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 & DVI1.0.
- 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 4K up to 115ft (35m)
- Powered via PoH (Power over HDBaseT).
- One infrared emitter output for control of remote devices.
- One RS232 output for serial 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@30Hz
 HDBaseT Transmission Distance 1080P@60Hz ≤230ft (70m)
 4K@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@30Hz
 HDBaseT Transmission Distance 1080P@60Hz ≤230ft (70m)
 4K@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

