VHD-4

Front View

Rear View

Video Distribution Accessories

VHR-1
HDBaseT Receiver

RTI Control System

VHD-4
4 x 4 HDBaseT Video Matrix Switcher

The VHD-4 4x4 HDBaseT professional matrix switch is used for convenient viewing of up to four video sources distributed to four displays. The switch is complete with four HDMI inputs, four HDBaseT outputs and two local HDMI outputs. In addition, the VHD-4 also includes four de-embedded stereo audio outputs.

The VHD-4 enables cross-point switching from any input to any output, and supports high resolution video output at 4K, 1080P and HD3D. Capable of performing as an extension of an RTI control system, the HDBaseT outputs delivers HDMI video, IR and RS232 control of remote devices, and PoH over a Cat5e/Cat6 cable to a VHR-1 HDBaseT receiver up to to 230 feet (70 meters) away.
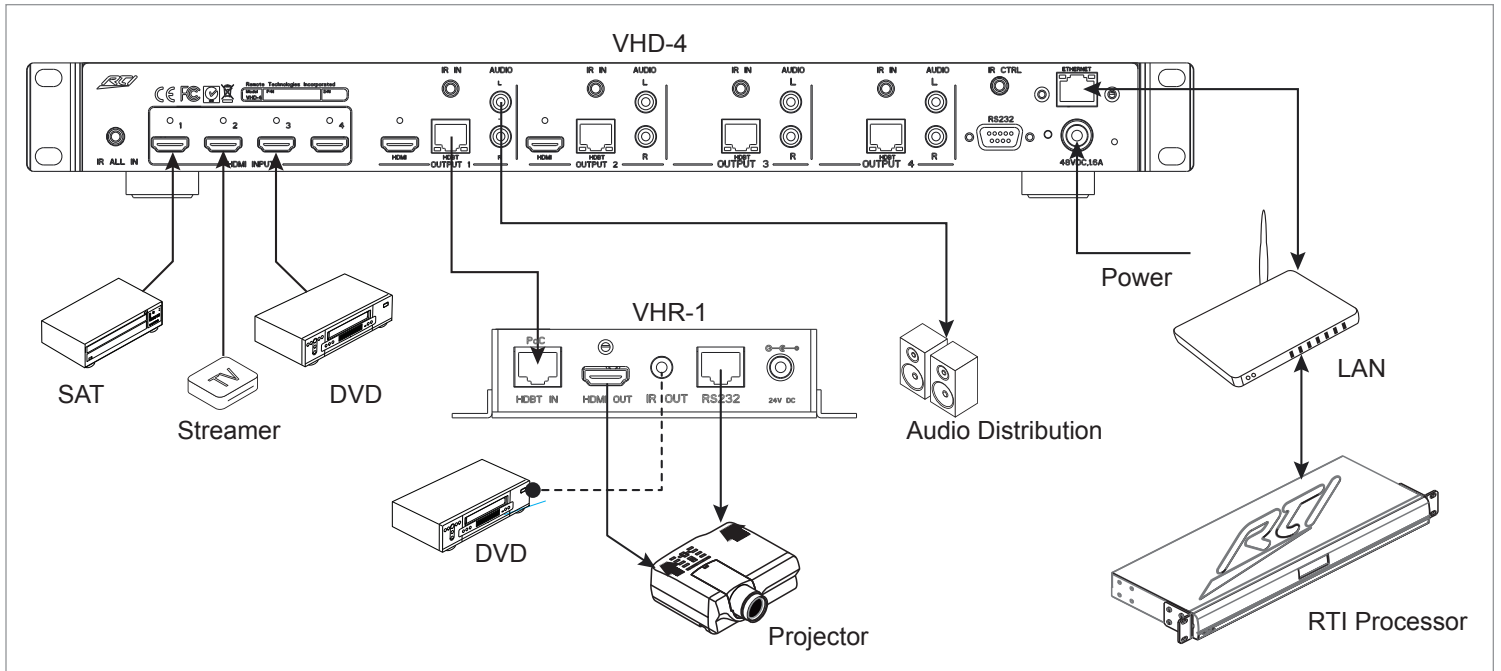
Key Features

- Provides routing of 4 video sources to 4 displays / projectors.
- Four HDMI inputs, two HDMI outputs, four HDBaseT outputs, four stereo audio outputs.
- Supports video output at 4K, 1080P and 3D.
- HDCP 2.2 Compliant and DVI compatible, supporting HDMI 1.4a & DVI1.0.
- Powerful EDID & HDCP management.
- HDBaseT outputs transmit HDMI@1080p, IR & RS232 up to 230 feet (70 meters) over a Cat5E/6 cable (115ft/35m at 4K).
- HDBaseT outputs supports PoH (Power over HDBaseT) to power VHR-1 receivers.
- Supports multiple control methods, including front panel, RS232, IR and TCP/IP.
- LCD indicator shows connection status, switching status, HDCP status, and output resolution.
- Built-in GUI for TCP/IP management.
- Supports firmware upgrades through micro USB port.
- Easy installation with rack-mount design.

www.rticorp.com

It's Under Control®

Specifications

Power Supply.. DC 24V 2.71A, 48W (Max)
Mounting...Rack mount or free standing
Dimensions Chassis....................1.7in(44mm) x 17.1in(437mm) x 9.25in(235mm)
....1U high, full rack width
Weight 4.4lbs (2.0kg)
Operating Temperature.......................C 0 to +40 degrees F +32 to +104 degrees
Operating Humidity.. 5% to 95% Non-condensing
Video Input .... Four HDMI
Input Level ....T.M.D.S. 2.9V~3.3V
Input Impedance ....100Ω (Differential)
Video Output .... Two HDMI, Four 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)
Switching Speed ....200ns (Max.)
EDID Management ....Built-in EDID data and manual EDID management
HDCP ....Supports up to HDCP 2.2
Audio Output ....Stereo audio, Eight RCA Jacks
R Control ....One, 3.5mm jack (IR CTRL), compatible with
....industry standard IR repeaters and receivers
Remote Source IR Inputs .... Four discrete (IR IN),
....One universal (IR ALL IN), 3.5mm jacks
Panel Control .... Twelve Front Panel buttons
Serial (RS-232) Port .... One, Bi-directional Female DB-9
Ethernet Port .... One, 10/100Base-T, RJ45 Connection
USB ....One, Micro USB, Female
Warranty ....Three Years (Parts & Labor)

All Specifications subject to change without notice.

It's Under Control®

1811