



Front View



Rear View

## Video Distribution Accessories



VHR-1x  
HDBaseT Class B Receiver



OPT-1x  
IR Adapter Cable

## RTI Control System



## VHD-4x

### 4x4 HDBaseT™ Video Matrix Switch

The VHD-4x HDBaseT video matrix is the perfect solution for high quality, 4K Ultra HD video distribution in a home or business. The matrix is equipped with four HDMI inputs and four HDBaseT Class B outputs plus two HDMI mirrored outputs. For reliable delivery of 4K video up to 131feet (40m) away, the VHD-4x also ships with four VHR-1x HDBaseT receivers.

The powerhouse matrix is loaded with installer-friendly features to simplify setup and enable ongoing support. To speed up installations, the VHD-4x matrix utilizes auto-discovery to configure all connected devices and displays the I/O setup on a web-based interface. A suite of diagnostics capabilities, including built-in cable quality testing and remote monitoring, ensure a rock solid installation and enable fast troubleshooting if an issue occurs.

Additional features include powerful CEC control, bi-directional IR control and HDCP 2.2 compliance.

**The VHD-4x includes the VHD-4x Matrix Switcher and 4 x VHR-1x HDBaseT Class B Receivers.**

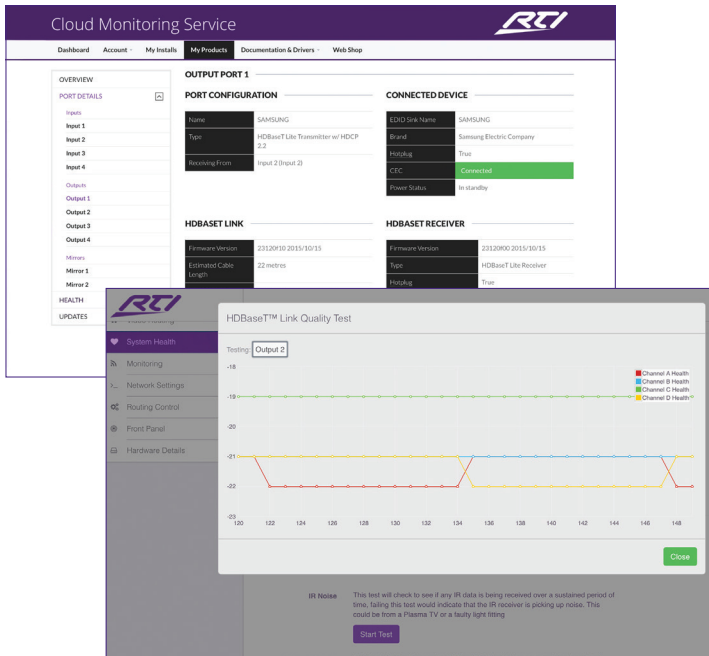
## Key Features

- 4 HDMI Inputs and 4 HDBaseT Class B Outputs + 2 HDMI Outputs (Mirrored)
- Extends 1080p up to 230 feet (70 meters) and 4K up to 131 feet (40 meters) over a single Cat5e cable or greater.
- Supports 4K@60Hz 4:2:0 and 1080p@60Hz, 3D.
- HDCP 2.2 compliant.
- EDID auto-discovery and data reporting.
- IP Control via control system.
- HDMI-CEC bi-directional control.
- Bi-directional IR control.
- Supports all known HDMI audio formats including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master Audio transmission.
- Supports PoH (Power over HDBaseT) to power HDBaseT receivers.
- Rack mountable.
- Web based management and remote monitoring support
- Kit Includes: VHD-4x Chassis | 4x VHR-1x HDBaseT Class B Receivers  
4x Infrared Blaster Cable Pack | Rack Ears | Power Cord | Power Supply  
Installation Guide

## Specifications

|                                     |  |
|-------------------------------------|--|
| Power Supply .....                  | 48V @ 2.5Amps  |
| Power Consumption .....             | 120W   |
| Mounting.....                       | Rack mount or free standing                                |
| Dimensions HxWxD.....               | 1.7in(43mm) x 16.9in(430mm) x 5.5in(140mm)                 |
|                                     | (1U high, full rack width)                                 |
| Weight .....                        | 4.5lbs (2.05kg)  |
| Operating Temperature .....         | 0 to +35°C (+32 to +95°F)                                  |
| Operating Humidity .....            | 5 to 90% Non-condensing                                    |
| Video Inputs .....                  | Four HDMI  |
| Video Outputs .....                 | Four HDBaseT Class B (PoH) (RJ45), Two HDMI (mirrored)     |
|                                     | Four VHR-1x PoH Receivers included                         |
| Resolution Range .....              | Up to 4K @60Hz 4:2:0                                       |
| HDBaseT Transmission Distance ..... | 1080P @60Hz ≤230ft (70m)                                   |
|                                     | 4K @60Hz ≤131ft (40m)                                      |
| HDBaseT Recommended Cable .....     | Cat5e or greater   |
| Color Supported .....               | 4K: 8bit, 1080p: 12bit                                     |
| TMDS Clock Speed .....              | 340Mhz   |
| Max Bandwidth .....                 | 10.2Gbps   |
| Compliance .....                    | HDCP 1.4, HDCP 2.2   |
| IR Control .....                    | Four IR In, Four IR Out, One Global IR In/Out, 3.5mm jacks |
| IP Control .....                    | One, 10/100Base-T, RJ45 Connection                         |
| RS-232 Control.....                 | One, Serial DB9 jack                                       |
| CEC Control .....                   | Full   |
| Monitoring .....                    | Real Time Remote Monitoring Portal                         |
| Warranty.....                       | Three Years (Parts & Labor)                                |

All Specifications subject to change without notice.



Cloud-based Remote Monitoring

## RTI User Interfaces

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



## RTI Control Accessories

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



## RTI Audio/Video Distribution

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



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