

VHD-8x

8x10 HDBaseT™ Video Matrix Switch

A great way to share 4K Ultra HD video content around a home or business, the VHD-8x 8x10 HDBaseT Matrix Switch reduces the need for a separate set of sources in every room which may sit idle or require costly monthly charges. The VHD-8x is equipped with eight HDMI inputs and eight HDBaseT Class-B outputs plus two independent HDMI outputs. The unit also ships with eight VHR-1x HDBaseT receivers for reliable delivery of 4K video up to 131feet (40m).

The matrix is loaded with installer-friendly features to simplify setup and enable ongoing support. To speed up installations, the VHD-8x 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-8x includes the VHD-4x Matrix Switcher and 8 x VHR-1x HDBaseT Class B Receivers.

Key Features

- 8 HDMI inputs and 8 HDBaseT Class B outputs plus 2 HDMI outputs (Independent or 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-8x Chassis | 8x VHR-1x HDBaseT Class B Receivers | 8x Infrared Blaster Cable Pack | Rack Ears | Power Cord | Installation Guide.



Front View



Rear View

Video Distribution Accessories



VHR-1x
HDBaseT Class B Receiver



OPT-1x
IR Adapter Cable

RTI Control System



Specifications

AC Input Voltage IEC C14 Inlet - 100-240VAC 4.0/2.0A 50/60Hz
 Power Consumption Max 2Amps @ 240V
 Mounting.....Rack mount or free standing
 Dimensions HxWxD..... 3.5in(89mm) x 16.9in(430mm) x 11.6in(295mm)
 Weight 13.5lbs (6.10kg)
 Operating Temperature 0 to +35°C (+32 to +95°F)
 Operating Humidity 5 to 90% Non-condensing
 Video Inputs Eight HDMI
 Video Outputs Two HDMI, Eight HDBaseT Class B (PoH) (RJ45)
(Eight VHR-1x PoH Receivers included)
 Resolution RangeUp 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 Eight IR In, Ten IR Out, One Global IR In/Out, 3.5mm jacks
 IP Control One, 10/100Base-T, RJ45 Connection
 CEC Control Full
 Monitoring Real Time Remote Monitoring Portal
 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



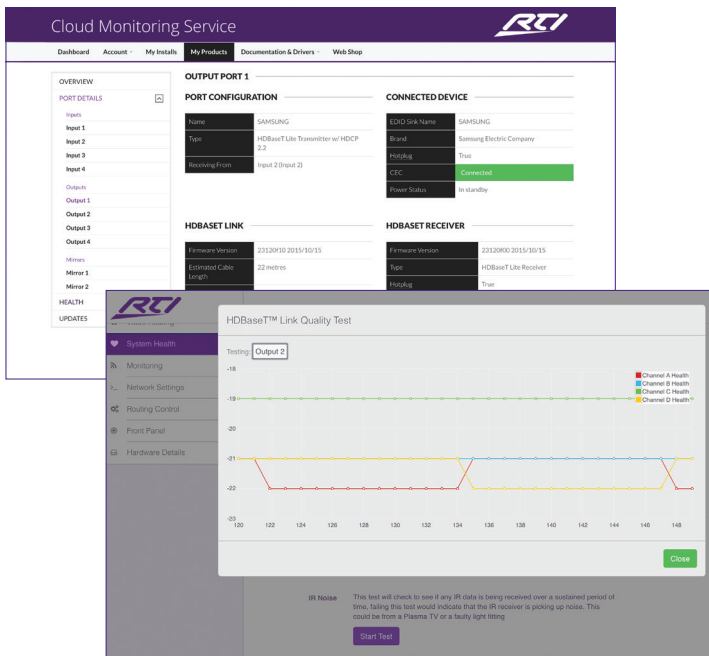
RTI Control Accessories

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



RTI Audio/Video Distribution

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



Cloud-based Remote Monitoring

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

RTI
 It's Under Control®