

## VHU-8x

8x10 HDBaseT™ Class C Video & Audio Matrix Switch

Introducing the VHU-8x 8x10 Matrix Switch, the flagship HDBaseT solution from RTI. The powerhouse matrix switch delivers ultra-high resolution video with pristine image quality over long distances with no latency. The VHU-8x features eight HDMI inputs, eight HDBaseT Class C + DSC outputs and two HDMI outputs with cross-point switching from any input to any output. High resolution video can be delivered up to 492ft (150m) and a 4K signal up to 328ft (100m) using Display Stream Compression.

The VHU-8x is loaded with installer-friendly features to simplify setup and enable ongoing support. The matrix utilizes auto-discovery and a web-based interface for fast and convenient configuration of connected devices. In addition, a suite of diagnostics capabilities, including built-in cable quality testing and remote monitoring, ensure a successful installation and quick troubleshooting.

**The VHU-8x includes the VHU-8x Matrix Switcher and 8 x VXT-URx HDBaseT Class C Receivers.**

## Key Features

- 8 HDMI inputs.
- 8 HDBaseT Class C + DSC outputs, plus 2 HDMI outputs (Independent or mirrored).
- Supports HDR and 4K@60Hz 4:4:4 and 1080p@60Hz, 3D.
- Visually lossless compression with DSC (Display Stream Compression).
- Extends 1080p up to 492 feet (150 meters) and 4K up to 328 feet (100 meters) over a single Cat5e cable or greater.
- IP Control.
- HDMI-CEC Bi-Directional Control.
- Bi-Directional IR Control through HDBaseT.
- Bi-Directional RS-232 Control through HDBaseT.
- 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 receivers.
- Rack mountable.
- HDCP 2.2 compliant.
- Automatic EDID support.
- Web based management and remote monitoring support.
- Kit Includes: VHU-8x Chassis | 8x VXT-URx HDBaseT Class C + DSC Receivers | 8x Infrared Blaster Cable Pack | Rack Ears | Power Cord



Front View



Rear View

## Video Distribution Accessories



VXT-URx  
HDBaseT Class C + DSC Receiver



OPT-1x  
IR Adapter Cable

## RTI Control System



## Specifications

Power Supply ..... IEC C14 Inlet - 100-240V 4.0/2.0A 50/60Hz  
 Power Consumption ..... Max 2Amps @ 240V  
 Mounting.....Rack mount or free standing  
 Dimensions HxWxD..... 5.2in(132mm) x 17.3in(440mm) x 12.4in(316mm)  
 Weight ..... 10.6lbs (4.83kg)  
 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 C + DSC (PoH) (RJ45)  
 .....(Eight VXT-URx PoH Receivers included)  
 Resolution Range .....Up to 4K @60Hz 4:4:4  
 HDBaseT Transmission Distance ..... 1080P@60Hz ≤492ft (150m)  
 ..... 4K@60Hz ≤328ft (100m)  
 ARC (Audio Return Channel) ..... Yes  
 DSC (Display Stream Compression) ..... Yes  
 Ethernet Pass-through ..... Yes  
 HDBaseT Recommended Cable ..... Cat5e or greater  
 Color Supported ..... 4K: 12bit, 1080p: 12bit  
 TMDS Clock Speed ..... 600Mhz  
 Max Bandwidth ..... 18Gbps  
 Compliance ..... HDCP 1.4, HDCP 2.2  
 IR Control ..... Eight IR In, Ten IR Out, One Global IR In/Out, 3.5mm jacks  
 RS-232 Control..... Eight RS232 Bi-directional (3-Pin Phoenix Connector)  
 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.

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Cloud-based Remote Monitoring

## 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



It's Under Control®

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