

Time-saving
ID File
included



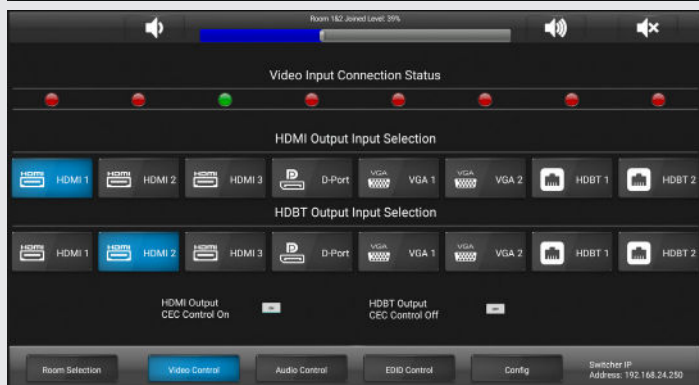
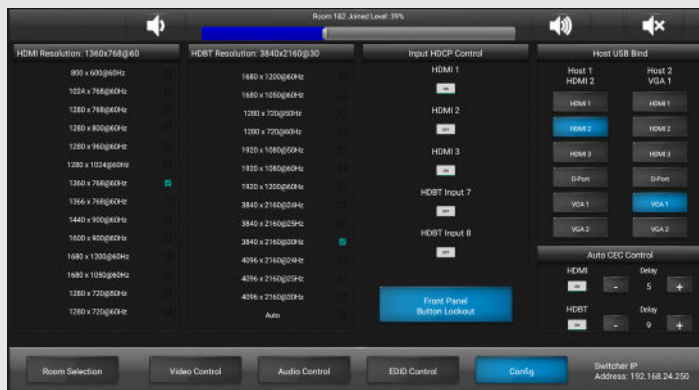
Front View



Rear View



VXP-R and VXP-T
HDBaseT™ Extenders (Sold Separately)



User Interface of included Integration Designer file

VXP-82 - 8x2 All-in-One Control Processor & AV Presentation Switcher

The VXP-82 combines a robust control processor with a built-in Audio/Video presentation switcher to deliver a single-box solution for conference rooms, classrooms, and lecture halls. VXP-82 enables control from any RTI touch panels, keypads, remote controls, or mobile apps, while the 8x2 switcher distributes Audio/Video signals over HDMI® and HDBaseT™ simultaneously to up to two rooms. Existing in-room USB web conferencing cameras, microphones and speakers can be connected and switched as well as traditional analog or digital audio and video sources such as computers / laptops, document cameras, media servers and streamers, DVD players, and microphones.

Thus, the VXP-82 is ideal for BYOD settings and social distancing office configurations. KVM control over USB allows for multiple presentation control options using USB keyboard and mouse from different spots in the same or secondary room. Additional features include a 4K video scaler and an audio mixer.

Key Features

- 8x2 4K All-in-One Scaling Presentation Matrix Switcher.
- Support for HDCP 2.2 and HDMI® 2.0.
- Built-in scaler for up to 4K@60Hz 4:4:4 8bit video output.
- HDBaseT™ inputs/output using VXP-R/VXP-T Extenders allow for up to 100m HDBaseT™ transmission.
- VXP-R/VXP-T Extenders support Power over HDBaseT™ in addition to Ethernet, IR and RS-232 pass-through.*
- Bi-directional KVM functionality for HDMI® or HDBaseT™ outputs - Ideal for presentation settings.*
- Supports de-embedded audio of HDMI® and HDBaseT™ outputs, set independently to output any mixed result.
- Control via front panel, built-in processor, and Web UI.
- Built-in control processor with 128Mb of non-volatile flash memory.
- Control of external devices via six routable IR ports, two RS-232 ports, three relays, three voltage triggers, and three voltage sense inputs.
- Support for RTI wired and wireless controllers (remote controls require RTI RM-433 433MHz or ZM-24 2.4GHz Zigbee antennas).
- Support for RTiPanel App control.
- Flexible installation with tabletop or rack-mount design.

* NOTE: Support for PoH, IR/RS-232/Ethernet pass-through and KVM functionality over HDBaseT™ require VXP-R and VXP-T Extenders.

Specifications

AC Input Voltage 110VAC ~ 240VAC, 50~60Hz
 Mounting Rack mount, 2 RU or free standing
 Video Input Three, HDMI®
 One, Display Port
 Two, VGA (female 15-pin)
 Two HDBaseT™ (PoH) (RJ45)
 Video Output..... One, HDMI®
 One, HDBaseT™ (RJ45)
 Resolution Range..... 800x600@60Hz to 4Kx2K@60Hz
 HDBaseT™ Transmission Distance 1080p@60Hz ≤ 100m
 4Kx2K@60Hz ≤ 90m
 EDID.....Built in EDID data and manual EDID management
 HDCPSupports up to HDCP 2.2
 Audio Input.....Two, Mono analog
Two, 3-pole 3.5mm, Mic/line level
 Audio OutputTwo, Stereo de-embedded
 Phantom PowerEnable/Disable per channel
 Analog Line Output with DSP 2-Channel stereo
 Frequency Response..... 20Hz to 20kHz ≤ 3 db
 Infrared Output Six, 3.5mm
 One, High output
 Infrared Frequency Transmission Range..... 15kHz - 460kHz
 Trigger Outputs Three, 12 VDC, 100mA max each

Relays Three, 5 Amps @ 30 VDC
 Sense Inputs..... Three, 3-24 VDC
 RS232 PortsTwo, Bidirectional control (RJ45)
 Expansion Port..... One, RJ45 Connection
 RTICOM Port..... One, Zigbee®,RJ45 Connection
 Ethernet Port ..One, 10/100BaseT, RJ45 - Ethernet Pass-through
 LAN Port One, 10/100BaseT, RJ45 - WebGui access
 USB Ports USB-A: One: scaler upgrade, Two: USB devices (KVM)
 Micro-USB: One, Firmware update
 USB-B: Two, Host inputs
 Operating Temperature 32°F to 122°F (0°C to +50°C)
 Operating Humidity 0% to 90% Non-condensing
 Dimensions WxHxD 17.32" x 3.5" x 13" (440 x 89 x 330mm)
 Weight 14 lbs (6.35kg)
 Warranty Three Years (Parts & Labor)

* NOTE: Support for PoH, IR/RS-232/Ethernet pass-through and KVM functionality over HDBaseT™ require VXP-R and VXP-T Extenders.

All features and specifications subject to change without notice

Included in the Box

VXP-82, rack ears (2) with screws (6), power cord, Phoenix connectors (3.5mm, 3 Pins) (2), Phoenix connectors (3.5mm, 5 Pins) (2), terminal blocks (3 x 4 position, 3x 2 position), RS-232 adapters (2)

Example Schematic

