Time-saving ID File included

Front View

Rear View

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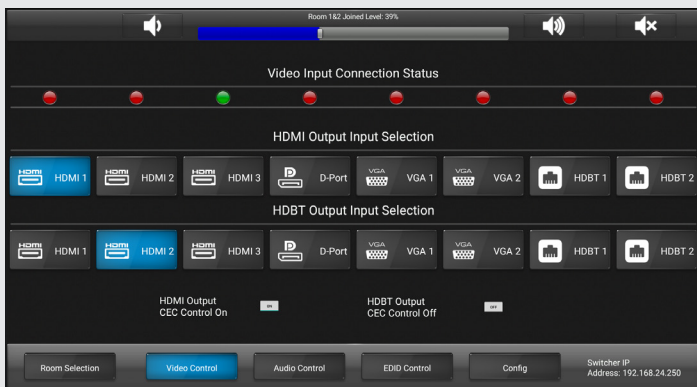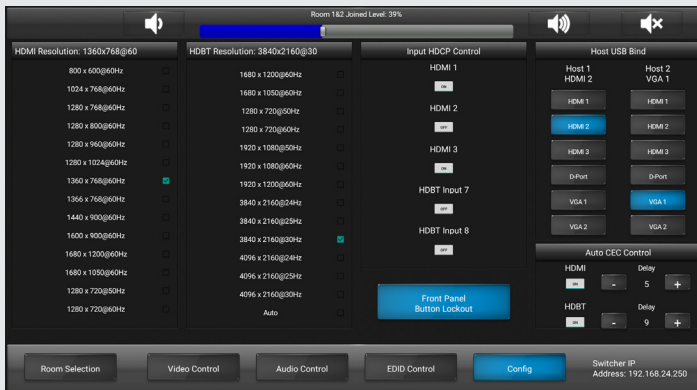

User Interface of included Integration Designer file

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
HDCP ....Supports up to HDCP 2.2
Audio Input.. Two, Mono analog
....Two, 3-pole 3.5mm, Mic/line level
Audio Output ....Two, Stereo de-embedded
Phantom Power................................. Enable/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 Ports ....Two, 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