VIP-UHD-TX 4K Video over IP Transmitter
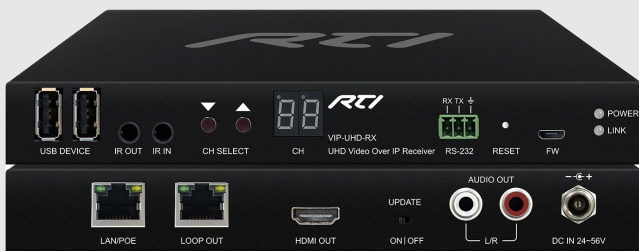
VIP-UHD-RX 4K Video over IP Receiver

VIP-UHD-CTRL Video over IP Control Module

Accessories (sold separately)

RM-4VIP2
Rack-Mount Kit for VIP-UHD-TX/RX
(mounts up to 4 units
into a 19" rack)

IRC-SM12V
Infrared Adapter Cable for VIP-
UHD-TX & VIP-UHD-RX

VIP-UHD-TX/RX/CTRL
4K Video Over IP System

The RTI Video over IP (VIP) distribution platform enables distribution of 4K video over a 1GB Network switch to virtually unlimited endpoints. The result is an exceptionally flexible and scalable system that be installed in minutes and controlled natively within the RTI control environment.

The RTI Video over IP (VIP) is an industry-leading 4K HDCP 2.2 HDMI® solution using visually lossless compression technology to deliver HDMI®, Bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard network architecture. The VIP products can be powered via PoE from the Network switch or locally should the switch not support PoE. With multiple configuration options available the VIP solution is ideal for both commercial and residential installations.

Note: When passing an IR signal from the control processor to the VIP-UHD-TX or VIP-UHD-RX the IRC-SM12V is required (sold separately).

Key Features

Transmitter / Receiver

• Advanced 4K UHD video over 1Gb Network

• Extends HDMI® up to a distance of 328ft/100m over a single CAT cable

• Supports up to 4K HDR UHD video sources (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)

• Supports all known HDMI® audio formats including Dolby TrueHD®, Dolby Digital Plus®, and DTS-HD Master Audio® transmission

• PoE powered to keep the rack clean and reduce the need for extra power cords

• HDCP 2.2 compliant with advanced EDID management

• Analog audio breakout

• LAN loop-out for one-to-many extender mode.

Control Module

• Simplified APEX integration with IR, RS-232, or TCP/IP control.

• Wizard-based user interface enables fast and automated configuration of the system. No need to manually assign IP addresses.

• Advanced signal management for independent routing of IR, RS-232, USB / KVM, audio and video.

• Powerful enough to control thousands of end points and multiple videowalls in one system.

Specifications

VIP-UHD-TX Transmitter

Power Supply .... PoE or 24-56V 1A DC
Dimensions WxDxH 7.4in(190mm) x 4.5in(114mm) x 1in(26mm)
Shipping Weight...1.8lbs (0.8kg)
Video Input ....1 x HDMI® Type A, female
Video Output... 1 x LAN RJ45 Connector
Audio Input....................................... 1 x 3.5mm L/R analog audio
Audio Output ....2 x RCA L/R analog audio
Ethernet Ports... 1 x LAN RJ45 Connector
RS-232 Serial Port.............................1 x 3 Pin Phoenix Connector
USB/KVM Port .... 1 x USB-Type B
IR Input...1 x 3.5mm Stereo Jack
IR Output ....1 x 3.5mm Mono Jack
Firmware Update.. 1 x Micro USB

VIP-UHD-RX Receiver

Power Supply .... PoE or 24-56V 1A DC
Dimensions WxDxH 7.4in(190mm) x 4.5in(114mm) x 1in(26mm)
Shipping Weight...1.8lbs (0.8kg)
Video Input .... 1 x LAN RJ45 Connector
Video Output..1 x HDMI® Type A, female
Audio Output ....2 x RCA L/R analog audio
Ethernet Ports............ 1 x LAN RJ45 Connector (Video Extension)
RS-232 Serial Port.............................1 x 3 Pin Phoenix Connector
USB/KVM Port .... 2 x USB-Type A
IR Input...1 x 3.5mm Stereo Jack
IR Output ....1 x 3.5mm Mono Jack
Firmware Update.. 1 x Micro USB

VIP-UHD-CTRL Control Module

Power Supply .... PoE or 12V/1A DC
Dimensions WxDxH . 3.8in(96mm) x 4.3in(110mm) x 1in(26mm)
Shipping Weight...1.3lbs (0.6kg)
Ethernet Ports..............2 x LAN RJ45 Connector (1x PoE support)
RS-232 Serial Port..1 x DB-9 female
IR Input Ports ....1 x 3.5mm Stereo Jack
Firmware Update.. 1 x Micro USB

General Specs

Mounting ....Rack mount with Rack-Mount Kit
.... (sold separately)* or free standing
Operating Temperature ....+32 to + 104°F / 0 to + 40°C
Storage Temperature .... -4 to + 140°F / -20 to + 60°C
Warranty... Three Years (Parts & Labor)

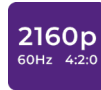All features and specifications subject to change without notice

* For VIP-UHD-TX & VIP-UHD-RX

State-of-the-Art Video Technology

4K UHD
Enjoy stunning picture quality with 4K UHD resolution.

2160p/60Hz/4:2:0
Eliminate blurred fast motions in action movies. 4K resolution paired with 60Hz refresh rate provides a crystal clear and crisp picture quality.

Long Distance
Go beyond the distance limitations of HDMI® cables. 4K video can be transmitted over cable up to 328ft/100m.

HDCP 2.2
Be fully compliant with the latest copy protection algorithms to avoid black screens when connecting an HDMI® source.

Built-in Scaling
Let each screen display its full resolution rather than being limited by the lower video resolution of a legacy display in the system.

Video Wall
Combine multiple displays to a video wall..

Do more with Integration Designer 11

Integration Designer 11 elevates the experience for all RTI systems, from residential to commercial. Its stunning new template - complete with custom slider support, one-click background swapping and more - makes it faster than ever to deliver a beautiful finish to every installation. Drivers are directly accessible from within the software, with notifications to keep you always up to date. The integrated system manager lets you track rooms, room status, and source status to save time on every installation. All this and more in Integration Designer 11.