The RVA3408 IP KVM extender provides 4Kp60 4:4:4 UHD performance or quad-monitor capabilities over a standard 1GbE network at unprecedented low bitrates. This transmitter-receiver duo can be configured as a point-to-point or networked extender to securely deliver multiple video, keyboard, mouse, USB 2.0, and audio signals. The system also provides aggregated, seamless control of multiple systems from a remote 4K/multi-display station with a single keyboard and mouse.

Ideally suited for multi-domain command and control, surveillance, and perimeter security, the RVA3408T/R works with commercial off-the-shelf (COTS) network switches to deliver a scalable KVM matrix switching solution. The system centralizes hardware in a command post to increase security, protect against environmental hazards, and reduce system noise and heat emissions. The RVA3408 3 IP KVM extender grants seamless remote access to secured systems and the added benefit of smart control of multiple video sources over the IP network.

## SYSTEM CAPABILITIES

- Support quad-monitor configurations (4x 1920x1080 @60Hz) with a single system
- Improve operator workflow across an expansive multi-monitor workspace
- Deliver pristine image quality, smooth video playback, and excellent keyboard and mouse responsiveness
- Create a scalable KVM matrix over IP supporting one-to-one/many, many-to-one/many configurations
- Leverage existing networking equipment and standard GbE infrastructure for seamless deployment and operations
- Connect to and control systems from any remote location on the IP network to maximize information flow
- Elevate protection from cyber attacks with IPSec VPN client and multi-factor authentication

## FEATURES

- World's first IP KVM extender with 4Kp60 4:4:4 UHD performance
- Unprecedented low bit rates
- Stand alone or rack mounted options
- Configure over LAN, private WAN, or internet networks
- Standard 1GbE network infrastructure
- Small form factor/size

*A clear advantage.*

## Specifications

### RVA3408T

**Connections**
- 1x DisplayPort 1.2 video input connector
- 3x DisplayPort 1.1 video input connectors
- 1x USB 2.0 Type B
- Line in 3.5 mm, line out 3.5 mm, RS-232 9-pin D-type (supported in certain configurations)

**Local outputs**
- 1x DisplayPort 1.1
- 2x USB 2.0 Type A

**Link**
- 1x RJ45 network port
- 1x SFP cage (supports SFP multi-mode or single-mode transceiver, sold separately)

**General**
- Embedded digital audio through DisplayPort, with option to de-embed digital audio on the receiver unit
- Lockable power connector, external 12V power supply unit
- Stand-alone or rack-mountable unit (1U ½ R)
- Status LED indicators
- On/off and recessed reset button

### RVA3408R

**Local devices**
- 1x DisplayPort 1.2 video output connectors
- 3x DisplayPort 1.1 video output connectors
- 6x USB 2.0 Type A
- Line in 3.5 mm, line out 3.5 mm, mic in 3.5 mm, headphone out 3.5 mm, RS-232 9 Pin D-Type

**Link**
- 1x RJ45 network port
- 1x SFP cage (supports SFP multimode and single-mode transceivers, sold separately)

**General**
- Option to de-embed digital audio and convert to analog audio
- Lockable power connector, external 12V power supply
- Stand-alone or rack-mountable unit (1U ½ R)
- Status LED indicators
- On/off and recessed reset buttons

### RVA3408T/R System

**Maximum resolution**
- 1x 3840x2160 @60Hz
- 2x 3840x2160 @30Hz
- 2x 2560x1600 @60Hz
- 3x 1920x1200 @60Hz
- 4x 1920x1080 @60Hz
- 4x 1920x1200 @50Hz

**Distance in point-to-point**
- OM2, OM3, OM4 (50/125µm) multi-mode - 550 m (1804 ft.)
- OM1 (62.5/125µm) multi-mode cable type - 275 m (902 ft.)
- OS1, OS2 (9/125µm) single-mode cable type -10 km (6.20 mi)
- Cat5e, Cat6 – 100 m (328 ft.)

**Distance over IP**
- LAN
- Private WAN
- Internet

### Environmental standards[1]

| |
|---|
| MIL-STD-810, Operational Temperature, Method 501, Procedure I/II: -10°C to +50°C, -40°C operational with SSD |
| MIL-STD-810, Storage, Method 501, Procedure I/II: -30°C to +75°C |
| MIL-STD-810, Humidity, Method 507, Procedure II: 240 hours with humidity kit |
| MIL-STD-810, Altitude, Method 500: 10,000ft operation, 20,000ft transport |
| MIL-STD-810, Vibration, Method 514, Procedure I: 1.5 GRMS, 5-2,000Hz, 75 min/axis |
| MIL-STD-810, Shock, Method 516, Procedures I/V: 20g, 11 msec; 3 axes, each direction |
| IEC/EN 60945, Maritime navigation and radiocommunication equipment and systems (ENV and EMC) |


RVA3408R rear view


RVA3408T rear view

1 - Designed to meet standard; full compliance testing available upon request

AS9100D CERTIFIED ISO 9001