

RVA3408T/R

RUGGED VIDEO APPLIANCE



World's first IP
KVM extender
with 4kp60 4:4:4
UHD performance



Configure over LAN,
private WAN, or
internet networks



Unprecedented
low bit rates



Standard
1GbE network
infrastructure



Stand alone or
rack mounted
options



Small form
factor/size



EXTEND YOUR REACH WITH MULTI-CHANNEL HD

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.

The system centralizes hardware in a command post to increase security, protect against environmental hazards, and reduce system noise and heat emissions. The RVA3408 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.

Crystal Group provides a 5-year warranty and forward-looking configuration management to enhance the long-term investment of your compute solution.

USE CASES

- Multi-domain command and control
- Surveillance
- Perimeter security

CRYSTAL GROUP RVA3408 T/R TECHNICAL SPECIFICATIONS

Product dimensions 1.59" (4.04 cm) H x 8.45" W (21.46 cm) x 7.75" (19.69 cm) D

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 multi-mode 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

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CRYSTAL GROUP RVA3408 T/R TECHNICAL SPECIFICATIONS

ENVIRONMENTAL TESTING STANDARDS

MIL-STD-810:

Environmental

Engineering

Considerations and

Laboratory Tests

Operational Temperature, Method 501, Procedure I/II: -40°C to +50°C

Storage, Method 501, Procedure I/II: -40°C to +75°C

Humidity, Method 501, Procedure II: 240 hours with humidity kit

Altitude, Method 500: 10,000ft operation, 20,000ft transport

Vibration, Method 514, Procedure I: 1.5G, 5-2,000Hz, 75 min/axis

Shock, Method 516, Procedures I/V: 20g, 11 msec; 3 axes, each direction

IEC/EN 60945:

Maritime navigation and radio communication equipment and systems (ENV and EMC) ³

In-house test reports provided for baseline units; customer-specific test options available upon request.

- 1: Test report available
- 2: Testing in progress
- 3: Designed to meet standards

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