Rialto R-Series™

IP | Analog | Hybrid

Add award-winning video analytics to 3rd party IP, Analog, and Thermal Security Cameras

Overview

The Rialto R-Series is a 1U rack-mount analytics appliance that analyzes and records up to 16 security cameras per unit. The R-Series is available as an IP, Analog, or Hybrid base models. Any unit can be easily expanded by adding IP and analog analytic processing blades. The R-Series lets you to build it your way.

- Flexible IP, Analog and Hybrid options
- Industry leading video analytics
- Instant event notification of what's happening, when it happens
- Works with 3rd party IP and analog cameras

There is no complicated per camera license fee or registration process. The Rialto R-Series is designed to be easily installed and retrofitted to existing or new camera deployments. Industry leading pattern-based video analytics deliver real-time analysis and alarms to ensure your team maintains full situational awareness.

Instant Notification

The Rialto R-Series and VideoIQ's CloudView™ provide instant notifications to your mobile devices when an incident is occurring. In seconds of a suspect crossing a IQBeam™ or other analytic rules an instant notification is sent to your security personnel's workstation and smart phones/tablets. Officers can view live video and use audio talk down either from their PC or iPhone/ Android devices.

Review alarm clips optimized for mobile and desktop clients. VideoIQ delivers actionable information when it matters rather than post incident evidence gathering most traditional video surveillance systems offer.

Fast Install

The R-Series is easy to use and install. Simply connect the R-Series to your network and add or set up your cameras. It's ready to use right out of the box. IP cameras communicate with the Rialto via the network; analog cameras are connected directly via BNC ports on the back of each analog blade. Self-learning and an intuitive rules interface making it straightforward to integrate our award winning analytics with either your existing cameras and VMS system or as a stand-alone system.

Intelligent Video Analytics

VideoIQ's field proven analytics classifies people and vehicles while eliminating normal scene activity such as moving trees, leaves, shadows, or reflections from water or glass. Rialto's advanced pattern-based analytics detect, track and classify activities of interest. Even in the most challenging outdoor environments customers experience extremely low false positive rates while receiving instant notification of when suspicious activity occurs. Additionally Rialto's advanced self-learning technology continuously improve the system's performance over time. Support for full 30 fps 1080p (1920 x 1080) HD cameras extends your system coverage to 300 ft. The Rialto also supports thermal for critical perimeter protection requirements for a maximum range to 1200 ft.

VIDEOIQ®

Optimized Bandwidth & Storage

The Rialto R-Series, like all VideoIQ edge devices, is designed for optimal network bandwidth and storage useage – the Rialto R-Series includes two 1 TB 3.5" hot swappable HDDs for local storage.

Every video stream is recorded in H.264 with a high or event stream (including programmable pre-event buffer) and a low-bandwidth stream for maximum days storage and ideal for remote viewing even on 3G/4G wireless networks.

Modular Design

The Rialto R-Series chassis is a true modular design enabling you to build it your way. Each chassis can support analog and IP cameras via analytic processing blades. The base chassis (IP, Analog, or Hybrid) includes two analytic processing blades which can support up to eight D1 video streams. Each chassis can be expanded for a maximum of sixteen D1 cameras by simply adding two additional blades.

Description	Part #	Max Streams Resolution			Storage HDD	Max blades per chassis	Camera Support
		1080p	D1	Analog			
Rialto R-Series Analog Chassis	VIQ-RF-1010-A	Includes 2 Analog Blades			2 TB	4	Analog
Rialto R-Series IP Chassis	VIQ-RF-1010-I	Includes 2 IP Blades			2 TB	4	IP
Rialto R-Series Hybrid Chassis	VIQ-RF-1010-H	Includes 1 Analog and 1 IP Blade			2 TB	4	IP and Analog
Rialto R-Series IP Blade	VIQ-BMP	2	4	N/A	N/A	N/A	Fixed H.264 RTSP
Rialto R-Series Analog Blade	VIQ-BA4	N/A	N/A	4	N/A	N/A	Fixed and PTZ Analog (Pelco P & D)

Example Video Analytics Rules

- Object enters, leaves, or loiters
- IQBeam crossing
- People / vehicle classification
- Camera tampering
- Object removal
- Person or vehicle loiters

Rialto R-series Analytic Bridge specifications

Encoder Dimensions, Weight, Power, Environmental

- 17.3 in/440mm Wide, 1.7 in/43.8mm High, 15.8 in/401mm Deep (includes connections)
- 20 lbs/9 kg (fully populated chassis)
- 120v 60hz / 220v 50hz AC power.
- Typical power consumption for fully loaded chassis: 100W
- 32F - 122F (0C - 50C) operating temp, 20-80% RH (non-condensing)

Network and Communications

- (1) GigE port for standard communications
- (1) 10/100T port maintenance interface
- HTTP/HTTPS for standard communications
- RTSP video streaming over TCP or UDP
- NTP for time synchronization

Analog Analytic Processing Blade

- Supports D1 resolution at 30fps
- Works with color, B/W, Day/Night and thermal cameras with NTSC/PAL outputs
- Supports PTZ control via RS-485 bus, PTZ analytics work when PTZ is in home position, PTZ control is handled by operator
- (2) Audio inputs
- (2) Audio outputs
- (4) TTL inputs
- (4) Open-collector outputs
- (1) Relay output (500ma max)

IP Analytic Processing Blade

- Supports D1 and1080p (1920 x 1080) resolutions at 30fps utilizing RTSP H.264 video streaming
- Works with color, B/W or thermal images
- (2) Audio inputs (line-level)
- (2) Audio outputs (line-level)
- (4) TTL inputs
- (4) Open-collector outputs
- (1) Relay output (500ma max)

VIDEOIQ®

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