VIDEOIQ®

VideoIQ® Rialto A4 Analytic Bridge

The bridge to intelligent analytics

The Rialto A4 lowers the per channel cost of analytics deployment by up to 50%, making it easy and cost-effective for companies of all sizes to add intelligent analytics and proactive response capability to any analog video surveillance system. The Rialto A4 is the bridge to intelligent pro-active surveillance.

Rialto Quick Facts

- 4 channel analog encoder with 40GB or 160GB onboard Solid State Drive storage.
- Continuously self-calibrating analytics reduces install time and false positive alarms.
- Simple, user configurable, rules-based alerts sent to workstations and smartphones.
- High-density, small footprint video surveillance solution.
- Compatible with analog, PTZ and thermal cameras.
- Free VideoIQ View™ software for easy analytics management.

Key Features

The industry's most advanced, reliable analytics. VideoIQ's award-winning adaptive analytics — based on pattern analysis rather than pixel analysis — are continuously self-calibrating and ready to use right out of the box for easy set-up and quick installation. With each object detected they become more accurate, reducing false alarms and ongoing maintenance while allowing security personnel to focus only on events of high interest.

The most scalable solution for new and existing systems. Now you can add actionable, system-wide intelligence to most existing analog, thermal and PTZ camera networks. Designed to scale from two to multiple cameras, a VideoIQ solution does not require users to reengineer infrastructure. The VideoIQ architecture is well-suited for hard to reach remote locations, difficult lighting situations and remote monitoring.

On-board storage eliminates additional infrastructure. Unlike other video surveillance systems, the Rialto A4 utilizes Solid State Drive (SSD) distributed on-board storage. SSD means you won't stream video over a network to a central server, reducing network traffic and bandwidth consumption by over 90%.

System-wide notification enables faster response. The Rialto A4 is a cost effective way to add video remote monitoring services to your surveillance solution. And it is integrated with leading VMS management systems too. User-configurable, rules-based alerts trigger automatic notifications that can be sent to multiple VMS users and emails simultaneously.

Enhanced Features

Control PTZ Cameras	RS-485 BUS supports multiple PTZ cameras on the same control chain.
Thermal Camera Use	VideoIQ's analytics work well with color, B/W or thermal camera analog video feeds.
Audio Channels	Multiple Audio inputs and outputs allow for flexibility in designing a system adapted for alarm response.
Onboard Storage	Every device comes with storage, eliminating the requirement for extra equipment.
4 Channel Layout	Single chassis supports multiple cameras, including a mix of Day/Night, Thermal, PTZ, etc.
Power Options	12VDC, 15Watts.

Rialto A4 Analytic Bridge — Specifications

Encoder Specifications
- Protocol pass-through to PTZ cameras — RS485
- PTZ Addresses: 0 - 255
- Pelco P or D protocol
- Software PTZ control from View software or USB joystick
- Video input (4): NTSC or PAL via BNC connector

Storage Specifications
- Typical storage time for 40 GB: 4-5 Days
- Typical storage time for 160 GB 3-4 Weeks

Video Compression Specifications
- H.264 compression, MJPEG for mobile
- Frame Rate: Up to 30 frames per second in all resolutions
- Triple Stream Encoding: Alarm events at high quality, resolution and frame rate. Continuous recording at lower quality, resolution and frame rate (selectable).
- MJPEG stream for mobile devices
- Visual alarm indicators (colored boxes around objects detected) can be turned on or off at the display
- Programmable pre-alarm video recording

Networking and Communications
- Ethernet 10/100 BaseT — RJ45 connector
- Protocols: HTTP, HTTPS, TCP, RTSP, UDP, RTCP, DHCP,NTP, DNS
- ZeroConf auto IP discovery of cameras
- Security: Multiple user access levels with password protection, IP address filtering, and HTTPS encryption
- Serial communications: RS-232 or RS-485 (auto-detected) — terminal block
- Web browser access to encoder via built-in web server

Continuously Self-Calibrating
- Powerful VideoIQ analytic engine with rich library of behaviors
  - Fence-line and Perimeter Crossing Detection
  - Area Protection
  - Direction of Travel Alerts
  - Crowd Detection
  - Loitering and Dwell Time Alarms
  - Missing Object Detection
  - Cross Camera Object Search
- Automatic alarm reporting with highlighted video clip
- Fully automated calibration and tuning: delivering the highest level of accuracy while reducing installation time and maintenance

Alarm and Audio Inputs and Outputs
- 2 Audio inputs, 2 Audio outputs via two 3.5mm jacks
- Audio compression: G.711
- Audio streaming live two-way: full duplex
- Audio recording — alarm or continuous
- Four alarm inputs — TTL
- Four Alarm outputs — Optical relay, 20mA max. programmable normally open or normally closed
- One alarm relay ouput — SPST, 400mA max, programmable normally open or normally closed

Diagnostics
- Loss of communications trouble alert
- Hard drive failure alert
- Scene change trouble alert
- Self-diagnostics built in

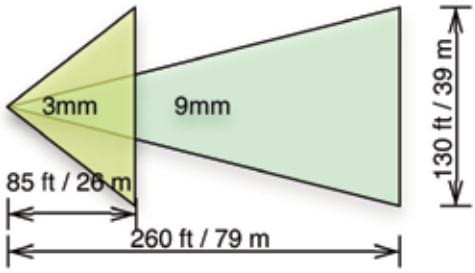
Power
- 12VDC: 15W max
- 10 watts typical
- AC/DC adapter supplied
- Optionally powered via Terminal Block

Environmental
- Operating Temp: 0°C to 50°C (32°F to 122°F)
- Storage Temp: -20°C to 85°C (-4°F to 185°F)
- Humidity: 20-80% RH (non-condensing)

VideoIQ View™ Software System Requirements
- CD-ROM with View software included with camera
- Core-2 Duo 2.0 GHz CPU or higher
- 2 GB RAM
- Windows XP, Vista, or Windows 7

Dimensions and Weight
- (L x W x H): 8.25" x 4.5" x 2.0"
- (21 cm X 11.4 cm X 5.10 cm)
- Weight: 1.8 pounds (816 grams)

Warranty
- 2-years, parts and repair labor



iCVR HD & D1 Cameras and Encoders
- FOV Width: 130 feet / 39 meters
- Lighting: 1 Lux on target per 100' of distance from camera

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