ServerSwitchIQ™ Professional
Video recording appliance with automated cybersecurity

Enterprise-class storage • 425 Mbps • Up to 72TB

Razberi ServerSwitchIQ™ Professional is a purpose-built video appliance that integrates a server, surveillance-class storage and a managed PoE switch. Part of a complete suite of appliances that provide security leaders with unmatched video recording, scalability, reliability, cloud-based health monitoring and automated cybersecurity.

Built for security, engineered for performance, open architected and optimized to reduce the impact of megapixel cameras on the network.

ServerSwitchIQ Pro 24 Port, up to 72TB
1U form factor

ServerSwitchIQ Pro 8 Port, up to 10TB
Small form factor

RAZBERI SERVERSWITCHIQ™ APPLIANCES

Intelligent, high performance video surveillance recording appliances that are more than an NVR

Purpose-built design to support megapixel camera resolutions

All-in-one server, managed PoE switch and storage

Open platform, certified with leading VMS and analytics partners.

KEY FEATURES

- Intel Core Processor

- 24 PoE+ ports with up to 440W total output

- Video storage up to 72TB using enterprise-class HDDs

- Razberi CameraDefense™ automated camera hardening

- ApplianceDefense™ antivirus and malware protection

- Made in USA

KEY BENEFITS

IT Friendly
Store video at edge to reduce impact on IP networks by up to 95% without compromising quality.

Remotely Monitor and Manage
Remotely manage with less staff and fewer costly truck rolls with Razberi Monitor. Monitor system health and cyber security.

Cybersecure
Automatically harden cameras with built-in CameraDefense. Protect the video server with ApplianceDefense™, AI-based antivirus and malware protection that does not compromise VMS performance.

Simple, Secure Video Surveillance and IoT Solutions

Intelligent Video Appliances + **Automated Cybersecurity Software** + **Health Monitoring Software**

Razberi ServerSwitchIQ™ Professional SPECIFICATIONS

Razberi ServerSwitchIQ™ Professional Specifications

Intelligent Features	Razberi Monitor™ health monitoring Razberi CameraDefense™ automated camera hardening Razberi ApplianceDefense™ antivirus and malware protection	**Uplinks**	2 x 10/100/1000 Mbps Combo SFP 2 x 10/100/1000 Mbps RJ-45
Processor	Intel i7-4790S Intel i5-4590S	**Video Out**	HDMI (3840 x 2160 Max.) VGA (2048 x 1536 Max.)
Operating System	Windows 10 Enterprise 2019 LTSC Windows Server 2016	**USB**	2 x USB 3.0 (rear), 2 x USB 2.0 (front)
Boot Drive	256GB mSATA	**eSATA**	Yes
Memory	16GB DDR3	**Input Voltage**	90 to 265 VAC
Graphics	Intel HD Graphics P4600 w/Quick Sync Support	**Typical Current**	280 W supply 3A @ 115 VAC (8 port) 500 W supply 5.3A @ 115 VAC (24 port)
Switch Control	HTTPS Browser Interface Layer 2 Switching VLAN Management	**Switch Fabric**	4.4 Gbps, full mesh with zero packet loss
PoE	IEE 802.3af, IEEE 802.3at (PoE+), up to 30W per port	**HDDs**	3.5 inch Enterprise class, native 4K sectors 2, 4, 6, 8, 10, 12, 14, 16, 18TB
RAID	RAID 0/1/10 (24 port)	**RAID Controller**	Intel Rapid Storage Technology
Operating Environment	0°C to 45°C (32°F to 113°F) 10% to 90% RH Non-condensing	**Certifications**	FCC, RoHS, FCC Part15 Class A, CISPR22, EN 55022: Class A, EN 6100-3-2, EN 61000-3-3, EN 55024, EN 60950-1

Razberi ServerSwitchIQ™ Professional Model-Specific Table

Part Number	Total PoE Output	Storage (TB)	RAID Cache DDR4	Processor	Memory (DDR3)	Power Supply	Dimensions (L x W x H)	Heat Load BTU/hr.	Mounting	Weight
Razberi ServerSwitchIQ Professional (8 PoE Ports, 1U)										
SSIQ8P-i5-2T	130W	2TB (1 x 2TB)	N/A	Core i5	8 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	346	Desk or Rack Tray	8.4 pounds
SSIQ8P-i5-4T	130W	4TB (1 x 4TB)	N/A	Core i5	8 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	346	Desk or Rack Tray	8.4 pounds
SSIQ8P-i5-8T	130W	8TB (1 x 8TB)	N/A	Core i5	8 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	346	Desk or Rack Tray	8.4 pounds
SSIQ8P-i5-10T	130W	10TB (1 x 10TB)	N/A	Core i5	8 GB	1 x 280W	12.8 x 9.4 x 1.75 in; 325 X 238 x 44 mm	346	Desk or Rack Tray	8.4 pounds
Razberi ServerSwitchIQ Professional (24 PoE Ports, 1U)										
SSIQ24P-i7-8T	277W	8TB (4 x 2TB)	N/A	Core i7	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-i7-12T	277W	12TB (4 x 3TB)	N/A	Core i7	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-i7-16T	277W	16TB (4 x 4TB)	N/A	Core i7	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-i7-24T	277W	24TB (4 x 6TB)	N/A	Core i7	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-i7-32T	277W	32TB (4 x 8TB)	N/A	Core i7	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-i7-40T	277W	40TB (4 x 10TB)	N/A	Core i7	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-i7-48T	277W	48TB (4 x 12TB)	N/A	Core i7	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-i7-56T	277W	56TB (4 x 14TB)	N/A	Core i7	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-i7-64T	277W	64TB (4 x 16TB)	N/A	Core i7	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds
SSIQ24P-i7-72T	277W	72TB (4 x 18TB)	N/A	Core i7	16 GB	1 x 500W	21.2 x 17.2 x 1.75 in; 538 X 438 x 44 mm	570	Rack Ears	22.9 pounds

Razberi ServerSwitchIQ™ Professional Performance Specifications

Recording Datarate (Mbps) [1]	Playback Datarate (Mbps) [1]	Number of Camera Recording Streams [2]	Number of Camera Playback Streams [2]
Razberi ServerSwitchIQ Professional (24 Port, 1U)			
425	140	104	34
Razberi ServerSwitchIQ Professional (8 Port, 1U)			
300	80	73	20

1 The specific throughput that can be supported will be dependent on a number of criteria including camera types (resolution, frame rate, etc.), and the VMS software utilized. 2 Assumes the use of a typical 2MP camera