

## Video Recording Appliance With Automated Cybersecurity



**Razberi ServerSwitchIQ SS24** is a purpose-built video appliance that integrates a server, hot plug, enterprise-class storage and a managed PoE switch. Part of a complete suite of appliances that provide security leaders with unmatched video recording, scalability, reliability, and automated cybersecurity with remote management.

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

### Network Friendly

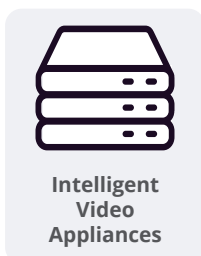
- ✓ Store video at edge to reduce impact on IP networks by up to 95% without compromising quality

### Remotely Monitor & Manage

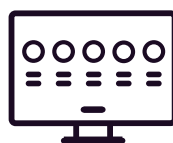
- ✓ Remotely manage with less staff and fewer costly truck rolls with Razberi Monitor
- ✓ Monitor system health and cyber security
- ✓ Manage software and Windows security updates

### 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



+



Automated Cybersecurity Software

+



Health Monitoring Software

## Key Features

- ✓ 24 PoE+ ports with up to 450W total output
- ✓ Intel 10th Generation Core Processor
- ✓ 4 Hot-plug Enterprise HDDs with optional RAID
- ✓ Video storage up to 80TB
- ✓ Razberi CameraDefense™ automated camera hardening

## 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

## Hardware Specifications

|                               |  |
|-------------------------------|--|
| <b>Processor</b>              | Intel® Core™ i5-10500TE 6 Core, 2.3 GHz 12 MB Cache (Passmark 11,910)                        |
|                               | Intel® Core™ i3-10100TE 4 Core, 2.3 GHz 6 MB Cache (Passmark 7,977)                          |
| <b>Memory</b>                 | 16 GB standard (2 x 8GB DDR4 2666 DIMM)  |
|                               | 32 GB optional (2 x 16GB DDR4 2666 DIMM)   |
| <b>TPM</b>                    | 2.0 FIPS140-2 Level 2  |
| <b>Operating System Drive</b> | 2 x 256GB M.2 (RAID 1)   |
| <b>Storage</b>                | 4 x SATA III (6.0 Gbs) Hot swap bays   |
|                               | 3.5 inch Enterprise class HDDs   |
|                               | 2, 4, 6, 8, 10, 12, 14, 16, 18, 20TB   |
| <b>RAID Controller</b>        | RAID 0/1/10 (standard, with Intel RST)   |
|                               | RAID 0/1/5/6/10 (optional, hardware controller with 1 GB cache for power failure protection) |
| <b>PoE</b>                    | 28 x 1GbE IEEE 802.3at, up to 30W per port   |
|                               | 4 x 1GbE IEEE 802.3at 4-pair, up to 60W per port   |
|                               | PoE Output: up to 450W (360W standard)   |
| <b>Graphics</b>               | Intel® UHD Graphics 630 with Quick Sync Video  |
| <b>Service Connectors</b>     | 1 x RJ45 2.5 GbE (i225V)   |
|                               | 1 x SFP+ 10 GbE (Intel X710, optional)   |
|                               | 1 x RJ45 1GbE, AMT supported (i219LM)  |
|                               | 2 x 3.1 USB  |
|                               | 2 x HDMI 1.4, 4096x2160 @30Hz  |
|                               | 1 x RJ45 2.5 GbE (internal)  |
| <b>Switch Connectors</b>      | 24 x RJ45 1GbE PoE   |
|                               | 1 x SFP+ 10GbE   |

## General Specifications

|                             |  |
|-----------------------------|--|
| <b>Operating System</b>     | Windows 10 IoT Enterprise 2019 LTSC  |
|                             | Windows Server IoT 2019 LTSC (Optional)  |
| <b>Intelligent Features</b> | Razberi Monitor and Manage   |
|                             | Razberi CameraDefense™ automated camera hardening  |
|                             | Razberi CameraHealth   |
| <b>Switch Features</b>      | HTTPS Browser Interface  |
|                             | Layer 2 Switching  |
|                             | VLAN Management  |
|                             | Spanning Tree  |
|                             | Cable Test   |
|                             | IPV6   |
|                             | IGMP (multicasting)  |
|                             | <b>Operating Conditions</b>  |
| <b>Storage Conditions</b>   | -40 °C to 65 °C (-40 °F to 149 °F)   |
|                             | <b>Power</b>   |
| <b>Heat Load</b>            | 897 BTU/hour   |
| <b>Certifications</b>       | EMC: FCC Part 15 Subpart B Class A, ICES-003 Issue 7, EN 55032:2015<br>+AC:2016-07, EN 55035:2017 + A11:2020, EN 61000-3-2:2014, EN 61000-3-3:2013 |
|                             | Safety: IEC/EN 62368-1:2014 + A11:2017   |
|                             | Other: RoHS  |
| <b>Dimensions</b>           | 24.13 x 17.25 x 1.67 in, 1U Chassis (613 x 438 x 42 mm)  |
| <b>Weight (Max)</b>         | 25.80 lbs (11.70 Kg)   |
| <b>Optional Accessories</b> | Sliding Rack Rails   |
| <b>Warranty</b>             | 3 Year Advance Replacement Warranty  |
|                             | Optional 5 Year Advance Replacement Warranty   |

## ServerSwitchIQ SS24 Model-Specific Table

| Part Number   | Total PoE Output | Storage (TB)     | RAID Controller | Server Uplink      |
|---------------|------------------|------------------|-----------------|--------------------|
| SS24-I5-24T6  | 360 W            | 24 TB (4 x 6TB)  | Intel RST       | 1 x 2.5 GbE (RJ45) |
| SS24-I5-32T8  | 360 W            | 32 TB (4 x 8TB)  | Intel RST       | 1 x 2.5 GbE (RJ45) |
| SS24-I5-40T10 | 360 W            | 40 TB (4 x 10TB) | Intel RST       | 1 x 2.5 GbE (RJ45) |
| SS24-I5-48T12 | 360 W            | 48 TB (4 x 12TB) | Intel RST       | 1 x 2.5 GbE (RJ45) |
| SS24-I5-56T14 | 360 W            | 56 TB (4 x 14TB) | Intel RST       | 1 x 2.5 GbE (RJ45) |
| SS24-I5-64T16 | 360 W            | 64 TB (4 x 16TB) | Intel RST       | 1 x 2.5 GbE (RJ45) |
| SS24-I5-72T18 | 360 W            | 72 TB (4 x 18TB) | Intel RST       | 1 x 2.5 GbE (RJ45) |

Model Options: R = hardware RAID, X = Extended PoE Budget (450W); N = 10 GbE uplink from server

## ServerSwitchIQ SS24 Example Part Numbers with Options

| Part Number     | Total PoE Output | Storage (TB)    | RAID Controller | Server Uplink                           |
|-----------------|------------------|-----------------|-----------------|---|
| SS24-I5-24T6R   | 360 W            | 16 TB (4 x 4TB) | Hardware        | 1 x 2.5 GbE (RJ45)                      |
| SS24X-I5-24T6R  | 450 W            | 16 TB (4 x 4TB) | Hardware        | 1 x 2.5 GbE (RJ45)                      |
| SS24X-I5-24T6RN | 450 W            | 16 TB (4 x 4TB) | Hardware        | 1 x 2.5 GbE (RJ45)<br>1 x 10 GbE (SFP+) |