GPU Ready Video Recording Appliance With Automated Cybersecurity

Comnet's ServerIQ SA4-2U is a purpose-built video appliance that integrates a server with hot plug, enterprise-class storage. The optional embedded Nvidia GPU supports video analytics and significantly increases video decoding performance as used for server-side motion detection and video rendering. Part of a complete suite of appliances that provide security leaders with unmatched video recording, scalability, reliability, and automated cybersecurity with remote management.
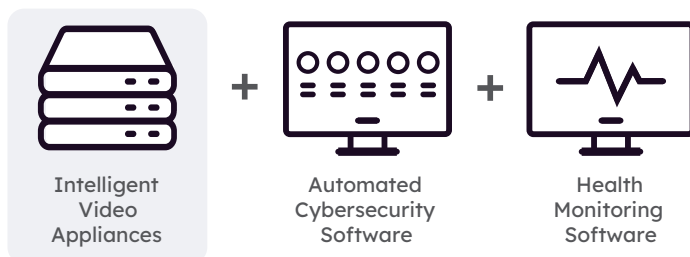
Built for security, engineered for performance, open architected and optimized to reduce the impact of megapixel cameras on the network.

Key Features

- ✓ Intel 10th Generation Core Processor
- ✓ Optional Nvidia T400/T1000 or A400/A1000 GPU
- ✓ 4 Hot-plug Enterprise HDDs with optional RAID
- ✓ Video storage up to 88TB
- ✓ ApplianceDefense for AI- based cyber protection and secure-by-design operating system
- ✓ Low cost full featured server for video surveillance application
- ✓ Monitor ready out of the box

Edge Performance

- ✓ Optional embedded GPU dramatically improves video rendering, motion dection and video analytics at the network edge

Cybersecure

- ✓ Protect the video server with ApplianceDefense™, AI- based antivirus and malware protection that does not compromise VMS performance

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

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

Specifications

HARDWARE

PROCESSOR	INTEL® CORE™ I5-10500TE 6 CORE, 2.3 GHZ 12 MB CACHE INTEL® XEON™ W-1270E 8 CORE, 3.4 GHZ 16MB CACHE
GPU READY	COMPATIBLE WITH SELECT NVIDIA MODELS
MEMORY	16 GB STANDARD (2 X 8GB DDR4 2666 DIMM) 32 GB OPTIONAL (2 X 16GB DDR4 2666 DIMM)
TPM	2.0 FIPS140-2 LEVEL 2
OPERATING SYSTEM DRIVE	2 X 256GB M.2 (RAID 1)
STORAGE	4 X SATA III (6.0 GBS) HOT SWAP BAYS 3.5 INCH ENTERPRISE CLASS HDDS 2, 4, 6, 8, 10, 12, 16, 18, 20, 22TB
RAID CONTROLLER	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)
GRAPHICS	INTEL® UHD GRAPHICS 630 WITH QUICK SYNC VIDEO OPTIONAL NVIDIA T400, T1000, A400 OR A1000 GPU
SERVICE CONNECTORS	1 X RJ45 2.5 GBE (I225V) 1 X RJ45 1GBE, AMT SUPPORTED (I219LM) 2 X 3.1 USB 2 X HDMI 1.4, 4096X2160 @30HZ

GENERAL

OPERATING SYSTEM	WINDOWS 10 IOT ENTERPRISE LTSC (VERSION 21H2) WINDOWS SERVER IOT 2019 LTSC (OPTIONAL) WINDOWS SERVER IOT 2022 LTSC (OPTIONAL)
INTELLIGENT FEATURES	MONITOR AND MANAGE VIA RAZBERI MONITOR APPLIANCEDEFENSE
OPERATING CONDITIONS	0 °C TO 45 °C (32 °F TO 113 °F) 10% TO 90% RH NON-CONDENSING
STORAGE CONDITIONS	-40 °C TO 65 °C (-40 °F TO 149 °F)
POWER	INPUT VOLTAGE: 100-240VAC 50-60HZ TYPICAL CURRENT: 12.7A
HEAT LOAD	<897 BTU/HOUR
CERTIFICATIONS	FCC PART 15 SUBPART B, CLASS A ICES-003 ISSUE 7 EN 55032, EN 55035 EN 61000-3-2, EN 61000-3-3 IEC/EN 62368-1 OTHER: ROHS

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DIMENSIONS	20.5 X 17.16 X 3.5 IN, 2U CHASSIS (521 X 436 X 89 MM)
WEIGHT (MAX)	<38 LBS (17.24 KG)
ACCESSORIES	POWER CABLE, 4-POST RACK RAIL
WARRANTY	3 YEAR ADVANCE REPLACEMENT WARRANTY OPTIONAL 5 YEAR ADVANCE REPLACEMENT WARRANTY

Ordering Information

SA4-2U Model Examples

PART NUMBER	MEMORY	STORAGE (TB)	RAID CONTROLLER	SERVER UPLINK
SA4-2U-I5-16-24T6	16GB	24 TB (4 X 6TB)	INTEL RST	1 X 2.5 GBE (RJ45)
SA4-2U-I5-16-32T8	16GB	32 TB (4 X 8TB)	INTEL RST	1 X 2.5 GBE (RJ45)
SA4-2U-I5-16-40T10	16GB	40 TB (4 X 10TB)	INTEL RST	1 X 2.5 GBE (RJ45)
SA4-2U-I5-16-48T12	16GB	48 TB (4 X 12TB)	INTEL RST	1 X 2.5 GBE (RJ45)
SA4-2U-I5-16-64T16	16GB	64 TB (4 X 16TB)	INTEL RST	1 X 2.5 GBE (RJ45)
SA4-2U-I5-16-72T18	16GB	72 TB (4 X 18TB)	INTEL RST	1 X 2.5 GBE (RJ45)
SA4-2U-I5-16-80T20	16GB	80 TB (4 X 20TB)	INTEL RST	1 X 2..5 GBE (RJ45)
SA4-2U-I5-16-88T22	16GB	88 TB (4 X 22TB)	INTEL RST	1 X 2.5 GBE (RJ45)

SA4-2U Example Part Numbers with Options

PART NUMBER	MEMORY	STORAGE (TB)	RAID CONTROLLER	SERVER UPLINK
SA4-2U-I5-32-24TR	32 GB	24 TB (4 X 6TB)	HARDWARE	1 X 2.5 GBE (RJ45)

MODEL OPTIONS:

R = HARDWARE RAID;

FOR W-1270E PROCESSOR – REPLACE I5 IN THE PART NUMBER WITH W1270

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