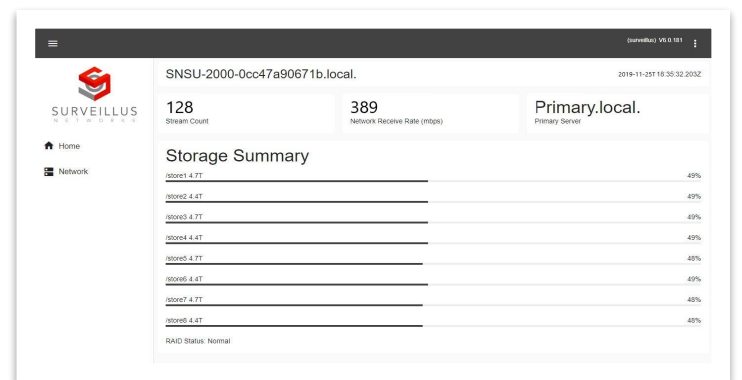# SURVEILLUS

Storage Units

OVERVIEW

The Surveillus E Series storage units are high performance, expandable and highly scalable network video servers. These enterprise storage units provide fault tolerance with automatic failover capabilities and RAID 5 drive protection. Configuration is greatly simplified utilizing the Surveillus Commander browser-based application. Commander allows automatic discovery of E Series units and other system devices. This application streamlines your setup process, provides real-time system health monitoring and offers full user management. E Series Storage Units support RAID 5 fault tolerance for up to 8 hot swappable HDDs. Allows management of up to 400mpbs incoming video data, and up to 128 total streams.

FEATURES

- 2nd Generation Intel Xeon Scalable CPU
- 64-bit Linux Based OS
- Separate & completely independent solid-state OS drive
- Pre-Loaded with Surveillus Storage Service applications
- Easy to configure, monitor & maintain
- Adaptive stream balancing
- Dedicated fail-over units are not required
- Each Storage Unit serves as an automatic failover unit for other system storage units, which eliminates potential for a single point of failure
- Hot swappable video storage drives

- Realtime RAID monitoring with events
- IPv6 network ready
- Any video resolution / any frame rate
- G.711 audio recording
- Industry standard RTSP streaming
- Onboard browser-based configuration, management, filesystem tools & health monitoring
- System is self-monitoring for instant alerts
- Standard retention-based, scheduled or event-based grooming
- Automatic data pruning for longer retention using reduced frame rate video

TECHNICAL SPECIFICATIONS

Hardware Specifications

Operating System	64-bit Ubuntu Linux
Memory	16GB DDR4-2666Mhz
Independent OS Drive	Minimum: 120GB SSD (separate from storage drives)
Video / Display	1 VGA Port
Network Interface	2 - RJ45 Gigabit Ethernet LAN ports. 1 - RJ45 Dedicated IPMI LAN port
Operating Temperature:	10°C to 35°C (50°F to 95°F)
Storage Temperature:	-40°C to 70°C (-40°F to 158°F)
Operating Relative Humidity:	8% to 90% (non-condensing)
Dimensions	Height: 3.5" (88.9mm) x Width: 17.2" (437mm) x Depth: 25.5" (648mm)
Weight	46.65lb (22kg) with 8 HDDs
Power Supply	500W Redundant Power Supplies Platinum Level (94%+)
AC Input	100-240 V, 50-60 Hz, 6.1-2.6 Amp
BTU Calculations	913 BTUs/hour (8 Drives)
Regulatory Compliance Electromagnetic Emissions:	FCC Class A, EN 55022 Class A, EN 61000-3-2/-3- 3, CISPR 22 Class A
Electromagnetic Immunity	EN 55024/CISPR 24, (EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11)

* Standard US power cords are provided. Additional cord types available upon request.
** E-Series Storage Units™ are delivered with a 3-year warranty. See warranty documentation for full details.

System Specifications

	Surveillus Hardware / Software Package
Maximum Recording Data Rate (Incoming throughout)	400mbps
Maximum Supported Stream Count	128
Onboard browser-based health management	Yes
Onboard browser-based network settings	Yes
Onboard browser-based filesystem tools	Yes

Models

SURSU2-43	E-Series Storage Unit, 4 - 3TB SATA HDDs, expandable to 8 – 3TB HDDs
SURSU2-44	E-Series Storage Unit, 4 - 4TB SATA HDDs, expandable to 8 – 4TB HDDs
SURSU2-46	E-Series Storage Unit, 4 - 6TB SATA HDDs, expandable to 8 – 6TB HDDs
SURSU2-48	E-Series Storage Unit, 4 - 8TB SATA HDDs, expandable to 8 – 8TB HDDs
SURSU2-83	E-Series Storage Unit, 8 - 3TB SATA HDDs
SURSU2-84	E-Series Storage Unit, 8 - 4TB SATA HDDs
SURSU2-86	E-Series Storage Unit, 8 - 6TB SATA HDDs
SURSU2-88	E-Series Storage Unit, 8 - 8TB SATA HDDs

Accessories

SUR-HDD3	Additional 3TB SATA Hard Disc Drive
SUR-HDD4	Additional 4TB SATA Hard Disc Drive
SUR-HDD6	Additional 6TB SATA Hard Disc Drive
SUR-HDD8	Additional 8TB SATA Hard Disc Drive