

SG-A4550

32 Channel Network Video Recorder



Pre-Install with  **Luxriot**®



Overview

The Shogun A Series of NVR appliances are reliable integrated server and storage solutions for IP video surveillance. NVR appliances are open platform solutions that can be deployed with any of the leading IP cameras and video management software (VMS) for installations of any size from standalone units for retail stores to large scale deployments requiring hundreds of cameras and petabytes of storage. And it comes with software development kit (SDK).

Functions

NVR Storage Appliance for IP Video Surveillance

The SG-A4550 is built to be the best video surveillance storage solution on the market. Delivering reliable and stable performance for surveillance video recording, especially when the arrays is in a critical state or during rebuild which is key to eliminating frame dropping, the SG-A4550 is ideal for installations of up to over a hundred full-HD IP cameras, making it perfect for banking, retail, gaming, manufacturing, and many more industries.

SmartBoost Technologies

A collection of unique features designed to provide the highest level of service and overcome performance bottlenecks to allow NVRs to handle a higher number of IP cameras than competing solutions.

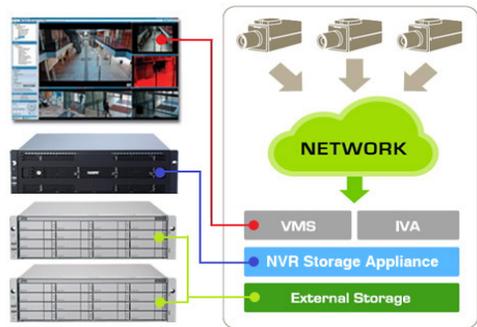
Reduces Deployment Costs and Complexity

The SG-A4550 Series reduces support and equipment costs because there is no separate RAID storage unit to manage, eliminating the need for a server, controller cards, external cables, and a separate storage enclosure. Additionally, the SG-A4550 Series reduces interoperability conflicts caused when integrating different hardware

Features

- Excellent value for a high-performance recording server system
- Perfect for up to 32 IP cameras
- Support H.265/H.264/MJPEG/MPEG4 compression
- Out of the box solution
- Support Liveview & Playback over Network
- 3-year warranty – can be extended to 5 years
- Resolution for playback & record up to 8MP, 6MP, 3MP, 1080p, 720p
- Easy Expandability with iSCSI protocol
- Small-sized installations: retail stores, clinics, classrooms, gas stations

Network Diagram



Easy to Use Management Interface

The SG-A4550 Series can be managed conveniently over the network connection using the user-friendly browser-based GUI, or the text-based command line network terminal interface. Alternatively you can manage it out-of-band with a VGA or HDMI monitor and USB keyboard to access the text-based command line interface.

Outstanding Track Record of Reliability

Reliability is paramount for surveillance deployments in order to protect property, assets or even the safety of individuals. The SG-A4550 features the RAID engine, which has been battle-tested in countless mission critical applications around the globe. With its incredible track record for reliable video data management and storage, the SG-A4550 is ideal for users requiring an extremely reliable and safe data center for video archive protection.



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Technical Specifications

Processor Support		1 x Socket LGA 1700 Intel Xeon E-2400 series processor (up to 95W) Intel Xeon 6300 series processor (up to 95W) Intel® Pentium™ processors
Core Logic		Intel® C262 PCH
Memory	Total Slots	4 (2-channel)
	Capacity	32GB (Maximum up to 128GB)
	Memory Type	DDR5 4400/4000/3600 ECC UDIMM
	Memory Size	16GB
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots	3
	Slot Type	1 x PCI-E x 16 (Gen5 x16 Link, switch to x8 link when slot B occupied), FH/HL 1 x PCI-E x 8 (Gen5 x8 Link), HH/HL 1 x PCI-E x 8 (Gen4 x4 Link), Proprietary R/A slot (optional for Intel X710 10G LAN card or PEI-1G/I210-2T/M,2 card))
Disk Controller	SATA Controller	Intel® C262 Chipset 6 x SATA3 6Gb/s ports Intel®VROC (For Linux/Windows) (Support Software RAID 0/1/5/10)
	SAS Controller	3008-8i 8-port SAS 12G RAID card (Optional) 3108-8i 8-port SAS 12G HW RAID card (Optional)
Storage Bays	I = internal A or S will be hot-swappable	4 x 3.5" Hot-Swap HDD Bays (16TB max capacity for each HDD) *SAS support only from optional SAS HBA/RAID card *NVMe support only from optional NVMe upgrade kit
Networking	LAN	2 x Intel® I210-AT (10/100/1000 Mbps) + 1 x Mgmt LAN
Graphic	VGA	Aspeed AST2600 with 64MB VRAM
I/O Ports	Front I/O Ports:	1 x VGA port 2 x USB 3.2 Gen1 ports
	Rear I/O Ports:	3 x USB 3.2 Gen 2 ports 1 x VGA port 1 x COM port 1 x RJ-45 ports
Switch/LED	Front Switch/LED:	1 x Power switch/LED 1 x Location switch/LED 1 x Reset switch 1 x HDD Access LED 1 x Message LED LAN 1-2 LED
	Rear Switch/LED:	1 x Q-Code/Port 80 LED 1 x Power switch
Protocol	HTTP, HTTPS, TCP/IP, IPv4, IPv6, NTP, DHCP, DNS, SMTP, UPnP, 802.1x, DDNS, RTSP, SNMP, Multicast, iSCSI	
Dimension	497mm x 439.5mm x 44mm(1U)	
Net Weight Kg (CPU, DRAM & HDD not included)	8.47 kg	
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)	13.47 kg	
Power Supply (following different configuration by region)	Single 350W 80 PLUS Gold PSU 1+1 450W 80 PLUS PLATINUM RPSU (Optional)	
Environment	Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)	