

SG-A4650

32 Channel Network Video Recorder



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-A4650 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-A4650 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

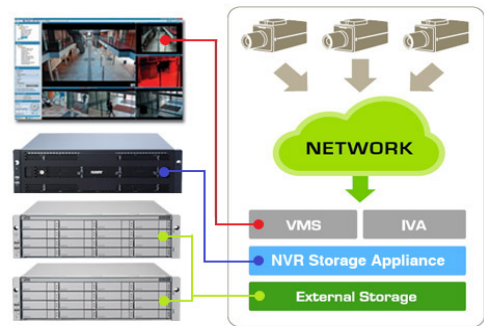
A collection of unique features designed to provide the highest level of service and overcome performance bottlenecks to allow NVRs to handle a higher number of IP cameras than competing solutions. Reduces Deployment Costs and Complexity

The SG-A4650 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-A4650 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.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 12MP, 8MP, 6MP, 1080p
- Easy Expandability with iSCSI protocol
- Small-sized installations: retail stores, clinics, classrooms, gas stations

Network Diagram



Easy to Use Management Interface

The SG-A4650 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-A4650 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-A4650 is ideal for users requiring an extremely reliable and safe data center for video archive protection.



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Technical Specifications

CPU	
Standard CPU	AMD EPYC 4124P (3.8GHz 4C/8T 16MB L3)
CPU Support	Supports AMD EPYC™ 4005, AMD EPYC™ 4004, AMD EPYC™ 4005 and AI
CPU Cooler	Active Sink
MEMORY	
Standard Memory	Optional
Memory support	Total Slots : 4 DIMM slots DIMM Type : DDR5 288-pin ECC/non-ECC UDIMM Frequency : 5600 MHz (1DPC); 3600 MHz (2DPC)
NETWORK / IPMI	
Integrated LAN	2 x RJ45 GLAN (Intel i210)
IPMI	1 x IKVM
GRAPHIC	
Controller	ASPEED AST2600 BMC
EXPANSION SLOTS	
PCI-Express (PCI-E)	PCIe5.0 (X16), PCIe5.0 (X4), PCIe4.0 (X1)
M.2	1 M-key (PCIe5.0 x4), supports 2280/2242 form factor [CPU] 1 M-key (PCIe4.0 x4), supports 2280/2242 form factor [FCH]
STORAGE / CONTROLLER	
Standard Storage	Option
Drive Bays	5 x 3.5" HDD or 2 x 2.5" SSD (Support up to 32TB)
Storage Controller	N/A
SATA	4 x SATA3 (6Gbps) port(s)
INPUT / OUTPUT	
LAN	2 x RJ45 GLAN (Intel i210) 1 x IKVM
USB	6 USB (4 x Type-A USB3.2, 2 x Type-A USB3.0)
Video Output	VGA, HDMI, Display Port
Serial Port	1 DB9 (COM)
DOM	N/A
TPM	1 (13-pin, SPI)
PROTOCOL	
HTTP, HTTPS, TCP/IP, IPv4, IPv6, NTP, DHCP, DNS, SMTP, UPnP, 802.1x, DDNS, RTSP, SNMP, Multicast, iSCSI	
CHASSIS	
Form Factor	Rackmount
Expansion Slots	7 x Expansion slots (LP)
Dimension (DxWxH)	552 x 426 x 89.9 (mm)