SG-A3340
80 Channel Network Video Recorder

Pre-Install with **axxonSOFT** EXPERIENCE THE NEXT®

Onvif

Features

- Excellent value for a high-performance recording server system
- Perfect for up to 80 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
- 2U 6-bay rackmount chassis
- Easy Expandability with iSCSI protocol
- Small-sized installations: retail stores, clinics, classrooms, gas stations

Network Diagram

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-A3340 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- A3340 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.
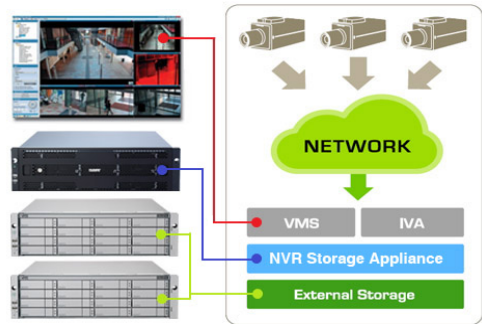
Reduces Deployment Costs and Complexity

The SG-A2330 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-A3340 Series reduces interoperability conflicts caused when integrating different hardware

Easy to Use Management Interface

The SG-A3340 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-A3340 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-A3340 is ideal for users requiring an extremely reliable and safe data center for video archive protection.

SG-A3340

80 Channel Network Video Recorder

Model	SG-A2330	SG-A3340/A3340d	SG-A3340 PoE
Camera Range	Up to 32	Up to 80	Up to 80
Form Factor	2U, 19" Rackmount		
Number Of Drives	6 SATA Drives (3.5")	8 SATA Drives (3.5")	8 SATA Drives (3.5")
Resolution	8 MP, 6 MP, 5 MP ,4 MP ,3 MP ,1080p ,720p		
# of Controllers	Single	Single	Single
System Processor	Intel® Celeron J1900	Intel® Xeon® E3	
System Memory	8GB DDR3	8GB DDR4 (Max. to 32GB)	
Internal Built-in Storage for OS	mSATA 64GB	M.2 64GB	
I/O Interface	2 x Gigabit Ethernet (10/100/1000 Base-T)		
Storage Expansion	iSCSI		
Max # of HDDs Supported	Up to 112 drives through iSCSI & JBOD expansion		
Number of PoE port	N/A	N/A	16 Smart PoE+ (IEEE802.3at) ports
Other Interfaces			
# of USB Ports	4x USB 3.0, 2x USB 2.0	6x USB 3.0, 2x USB 2.0	
PCI Express Ports	N/A	1 x PCIe 3.0 x 8 1 x PCIe 3.0 x 4	N/A
Graphics	D-sub and HDMI	D-sub, HDMI and Display Port	
Serial Interfaces	3x RS-232	1x RS-232	
Audio & Microphone	2x 3.5mm Audio Jack	3x 3.5mm Audio Jack + SPDIF	
RAID Operational Features			
RAID Levels	0, 1, 1E, 3, 5, 6, 10 (0+1), 30, 50; Any Combination can exist at the same time		
Hot Spares	Multiple global or dedicated hot-spare drives with revertible option		
Max. LUNs per System/Array	256/32		
Software			
OS Supported (64-bit)	Windows Embedded Standard 7 Runtime (WS7P), Windows 10	Windows Embedded Standard 7 Runtime (WS7P), Windows 10, Windows Server 2012R2 Standard	
Management Tools	Graphical UI/SNMP via Ethernet, CLI/CLU via Ethernet or Graphics, OPAS Service via USB, SDK or API for Integration		
Protocol	HTTP, HTTPS, TCP/IP, IPv4, IPv6, NTP, DHCP, DNS, SMTP, UPnP, 802.1x, DDNS, RTSP, SNMP, Multicast, iSCSI		
Event Notification	Email, SNMP, Buzzer, LEDs		
System Information			
AC Input	100 ~ 240 VAC, 60 ~ 50Hz		
Current (Maximum)	1A - 2A		2A - 5A
Power Consumption	110W	250W	460W
BTU	375.43 BTU/h	853.25 BTU/h	1672.37 BTU/h
Power Supply	250W	350W (Single/ Dual)	520W
Fan	Swappable	Redundant	Redundant
Temperature	5° ~ 40°C (-40° ~ 60°C non-operational)		
Dimensions (H x W x D)	88.5 x 440 x 395 mm (3.5 x 17.3 x 15.6 in)	88.2 x 446 x 410 mm (3.5 x 17.6 x 16.1 in)	
Weight	6.8kg (14.96 lbs) w/o drives 10.94kg (24.1 lbs) w/drives	7.38kg (16.23 lbs) w/o drives 12.9kg (28.38 lbs) w/drives	14kg (30.8 lbs) w/o drives 19.52kg (42.9 lbs) w/drives
Safety/EMI	FCC/CE/VCCI/RCM/BSMI/UL/cUL/Nemko		
Warranty and Support			
Warranty	3 year limited warranty		
Optional Accessories	Sliding Rail, 2/4/8GB DDR3 Memory	Sliding Rail, 2/4/8GB DDR4 Memory	