

SG-7000 Series

Enterprise IP Video Recording Appliance



Compatibility
with



Overview

Shogun SG-7000 Series is integrated computing storage system for AI applications that supports both computing and storage services. EVI is equipped with the Windows operating system, allowing users to install various AI-related applications.

SG-7000 Series rackmount model that can be installed with a surveillance image analysis software like BriefCam to precisely search a certain object in hundreds of hours of video. It can also be installed with a media asset management software. In addition to meeting the requirement of large-capacity media asset storing, media editors can also use AI-related services, such as content review, celebrity recognition, object, scene, and activity detection when searching for media files, which significantly improves work efficiency. In the application of Smart Medical Imaging System (PACS), EVI provides necessary capacity for storing large medical images: X-ray, CT, MRI, etc. Moreover, it can support AI-related services, such as medical diagnostic imaging to assist doctors in making more accurate diagnoses.

Hardware specification

Form Factor	4U, 19" Rackmount
Number Of Drives	24 Drives (3.5")
Drive Type	12Gbs SAS/ 6Gbs SATA @ 3.5", SSD capable @2.5", Hot Swappable
Controller	Single
System Processor	Intel® Xeon® E5-2609v4, E5-2600v4 series optional based on demand
System Memory	8GBx2 Default (Max 512GB ²)
I/O	2x Gigabit Ethernet / 1xIPMI
Internal Storage (M.2)	128GB
Storage Expansion	Optional Promise SAS and iSCSI Storage
Max. # of HDDs Supported	Up to 104 drives through SAS JBOD expansion(iSCSI optional)
USB Ports	2x USB 3.0, 4x USB 2.0
PCI Express Ports	3x 16-lane Gen 3.0 PCIe
Graphics	D-sub VGA(Mgmt Purpose)/Optional 2(Wide)+1(Narrow)
Audio & Microphone	1x Serial Port
Hot spares	Multiple global or dedicated hot-spare drives with revertible option
Max LUNs per system/array	256/32
RAID Levels	0, 1, 1E, 3, 5, 6, 10 (0+1), 30, 50, 60 Any combination can exist at the same time

Supported OS (64-bit)	Windows 10, Windows 2016, Windows 2019
Management	Graphical UI/SNMP via Ethernet, CLI via Ethernet or Graphics, OPAS Service via USB, IPMI, SDK or API for Integration
Appliance Mode	Surveillance Optimization @ Arrays in Normal and Degraded
Event Notification	Email, SNMP, Buzzer, LEDs
AC Input	100 ~ 240 VAC, 60 ~ 50Hz
Current (Maximum)	8-4A (550W), 10A (800W-Vess A7800)
Power Supply	Redundant 550W for each power, Hot swappable N+1 Design (800W optional)
System Controller	Replaceable FRU design
Temperature	5° ~ 40°C (-40° ~ 60°C non-operational)
Dimensions	173 x 503 x 447 mm (6.8 x 19.8 x 17.6 in)
Weight	System W/O HDD: 22.484 kg System W/ HDD: 39.048 kg
Safety and EMI Certification	CE, FCC, VCCI, RCM, BSMI, KC, (Class A), CB, cTUVus ³
Warranty	3 year limited warranty
Optional Accessories	Sliding Rail, 4/8/16/32GB DDR4 Memory

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Software specification



Luxriot Evo's key integral elements work together to create a cohesive and up-to-date piece of VMS software. When it comes to surveillance, every detail is important, so everything will be taken care of. Luxriot Evo Global is a complete surveillance ecosystem solution for enterprises of any size, even those distributed across multiple sites. The software was designed with the core of Luxriot VMS, whose quality has been proven worldwide over the last decade. The new version of the software, Luxriot Evo Global, is not only offering 64-bit speed and all the necessary tools for setting up an absolute situational alertness system aimed to respond quickly to events, but also introduces a central server governance hierarchy of all the components.

Software Feature



64-bit core

Using the full power of hardware for efficient software architecture



Powerful analytics tools

New modules for advanced video analytics, along with face and licence plate recognition



Event and Action Manager

Automated video surveillance process using the Alarm and Action manager



Failover

Constant monitoring of the status of all servers and failover management from the central server



Archive replication

Advanced mirror recording with scheduled transfers ensures your data is always safe



Integrations and API

Enhance your video management with a vast range of integration possibilities for third-party software

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Software specification

Optimized and designed for Microsoft Windows Server 2008/2012/2016/2019, and Microsoft Windows 7/8.1/10.

Full range of editions for all needs and budgets from home users to large enterprises.

Multi-language support Czech, Dutch, English, English (US), French, German, Italian, Korean, Russian, Latvian, Polish, Slovenian, Spanish, Thai and Turkish localisations, with many more to be added.

ONVIF Profile S support

Supported protocol HTTP, HTTPS, RSTP, NTP

Supported codecs H.264, H.265, MPEG4, MJPEG, JPEG, MxPEG

Edge Recording support

Dual streaming support with automatic switching mode for optimal resource and bandwidth usage

Supported recording and display high resolution up to 4K.

Redundant & Failover Clustering Unlimited number of failover clusters and failover nodes (servers) available for Luxriot EVO Global without any extra fee

Camera-side VCA Event Support

Software VCA Support (requires additional license)

Events & Actions (E&A) Management support

Health Monitoring support

Live video streaming from server(s) to one or multiple client applications without delays, unicast or multicast

Two-way audio support, also for mobile phones

Multichannel playback with layout templates and a calendar for footage summary

Video export in AVI, MKV, MP4 formats, as well as video export as frame series

Multichannel snapshot export from multichannel archive playback

E-Maps Bitmap based maps, all popular image types supported: JPG/JPEG, PNG, TIFF, BMP, static GIF; images of size up to 8.25 megapixels

Video Wall support up to 100 physical displays per each video wall

Built-in layout templates for each Luxriot EVO Monitor application

Custom layouts that can be saved locally on the client workstation or shared via central server