



Milestone Ready NVR Appliance “EonServ 5000 ML Series”

Server-storage Hybrid Enterprise Appliance

HIGHLIGHTS

PERFORMANCE

- Support up to 150 channel 3MP cameras continuous recording

CAPACITY

- Support up to 316 HDDs with JBOD expansion enclosures, providing a max. capacity of 2.5 PB

RELIABILITY

- Built-in RAID function for data protection
- Intelligent Drive Recovery for data integrity

EFFICIENCY

- Server-storage hybrid design for best cost performance ratio

EASY MAINTENANCE

- Cableless design with hot swappable redundant components for easy maintenance

SIMPLICITY

- User-friendly Workflow Automation GUI for intuitive storage management

Infortrend NVR appliance “EonServ 5000ML series, pre-loaded with Milestone VMS and Windows 7 Professional, is a server-storage hybrid enterprise appliance especially designed to meet the needs of mid to large scale and distributed surveillance operations. Delivering massive capacity of up to 2.5 PB, outstanding performance and integrated RAID protection, it is the perfect surveillance storage server for a wide range of industries, including city and airport surveillance, transport stations, power plants and manufacturing just to name a few.

Outstanding Performance Without Frame Drop

With patented read/write technology, EonServ 5000 Series guarantees stable performance without IO delay. It provides 279MB/s recording throughput, offering support for up to 150 channel 3MP cameras continuous recording without frame drop.

Massive Capacity and Simple Wide Scalability

Thanks to its built-in SAS expansion ports, EonServ 5000 Series can easily scale up to 316 HDDs via high density 4U 60-bay JBOD expansion enclosures, which provide a total capacity of 2.5 PB using 8TB HDD and future-proof your storage solution.

Milestone XProtect VMS Certified

EonServ 5000 Series is Milestone XProtect VMS certified and comes pre-loaded with the software suite to give users in large scale and distributed surveillance operations access to the world's leading open platform IP video surveillance. Milestone VMS offers two solutions to suit projects of a variety of

scales: XProtect Corporate for advance surveillance in large-scale and high-security projects, and XProtect Enterprise for medium to large scale surveillance areas.

Easy Maintenance and Reliability You Can Depend On

As reliability is of utmost importance when it comes to surveillance video storage to protect assets and individuals, EonServ 5000 Series integrates RAID technology to increase fault tolerance, as well as Intelligent Drive Recovery (IDR) to ensure data integrity.

Moreover, with its cableless modular design and industrial grade components, this storage server is low maintenance and highly reliable.

Intuitive User-friendly management

Thanks to EonOneLite, EonServ 5000 Series intuitive GUI management software, users can easily set up and monitor their server and storage systems through a centralized, convenient and efficient management platform.

Performance Test

Xprotect Corporate 60 cameras Continuous Recording

Test Scenario 1 (NVR only)	NVR Model	Processors	Stream Profile (#of cameras, compression %)
Benchmark	EonServ 5012 EonServ 5016	i3-4330	60 camera, 30%
		E3-1225	60 camera, 30%
		E3-1275	60 camera, 30%
Maximum	EonServ 5012 EonServ 5016	i3-4330	110 camera, 60%
		E3-1225	140 camera, 60%
		E3-1275	150 camera, 60%

Xprotect Corporate - Video Motion Detection - RAID5 - Archiving

Test Scenario 2 (NVR + JBODs)	NVR Model	Processors	Stream Profile (#of cameras, compression %, Motion detection %)
Benchmark	EonServ 5012 EonServ 5016	i3-4330	30 camera, 30%, 30%
		E3-1225	30 camera, 30%, 30%
		E3-1275	30 camera, 30%, 30%
Maximum	EonServ 5012 EonServ 5016	i3-4330	70 camera, 60%, 30%
		E3-1225	110 camera, 60%, 30%
		E3-1275	140 camera, 60%, 30%

Specification

Form factor	2U 12-bay/3U 16-bay
Controller architecture	Single controller
System drive	Default: two 2.5" SATA HDD with RAID1
CPU	Default <ul style="list-style-type: none"> Intel Core i3-4330, dual-core 3.5G Upgradable: <ul style="list-style-type: none"> Intel Xeon E3-1225, quad-core 3.2G Intel Xeon E3-1275, quad-core 3.5G
DIMM slot	DDR3 slot x 4
Memory capacity	Default: 8GB(2 x 4GB) with non-ECC Support up to 32GB(4 x 8GB) with ECC or non ECC
Rear I/O ports	<ul style="list-style-type: none"> RJ-45 Gigabit Ethernet x 4 USB 2.0 x 2 USB 3.0 x 2 VGA x 1 HDMI x 2 Mic. in port x 1 Speaker out port x 1
Service port	Service port x 1 (mini USB connector - RS 232 interface)
Drive interface	6Gb/s SAS
JBOD expansion	6Gb/s SAS wide port x 1
Disk support	<ul style="list-style-type: none"> 3.5" 7,200 RPM NL-SAS 6Gb/s HDD 3.5" 7,200 RPM SATA 3Gb/s and 6Gb/s HDD

Max. disk support number	EonServ 5012 <ul style="list-style-type: none"> 312 disks (1 x EonServ 5012 + 5 x JB260 4U 60-bay JBOD) 180 disks (1 x EonServ 5012 + 14 x JB212 2U 12-bay JBOD) EonServ 5016 <ul style="list-style-type: none"> 316 disk (1 x EonServ 5016 + 5 x JB260 4U 60-bay JBOD) 240 disk (1 x EonServ 5016 + 14 x JB216 3U 16-bay JBOD)
Compatible Operating System	<ul style="list-style-type: none"> Windows 7 Professional SP1, 64-bit Windows Server 2012, 64-bit
Pre load	Windows 7 Professional SP1, 64-bit Milestone Xprotect (Trial version) EonOne Lite
RAID Functionality	RAID 0, 1, 5, 6, 10, 50, 60
PSU	Dual Redundant PSU (460 watts)
Enclosure Dimension	<ul style="list-style-type: none"> 2U 19-inch rackmount with chassis ears: (H)88.00mm x (W)447.40mm x (L)524.41mm 3U 19-inch rackmount with chassis ears: (H)130.00mm x (W)447.40mm x 524.20mm

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