

Datasheet

ENVR 20160113



Easy Selection * Installation * Maintenance * Expandability * Integration

..... Easy Decision!



- Pre-Installed Milestone XProtect[®] Software with Dozens of Optimizations
- All Enterprise-Class Drives, Intel[®] & Other World-Class Components
- > HUM® Comprehensive Health Utility
- > Pre-Installed ISONAS Card Access Integration
- > Pre-Installed 2N Helios Intercom Integration
- Pre-Installed 2N NetSpeaker for IP-based Audio Systems
- > Pre-Installed Video Analytics Options
- Proven Reliability & Made in USA

EasyNVR - Servers built for Milestone XProtect®



WHAT IS THE EASYNVR®

The EasyNVR® is a comprehensive line of servers built specifically for Milestone XProtect® systems. They are built with enterprise-class hard drives and other high-quality components to maximize performance and serviceability. The EasyNVR® is preinstalled with your specific Milestone XProtect® Software, the operating system is optimized and many other steps are taken to ensure a hassle-free installation. In addition, there are many valuable software options and a staff that is certified and experienced with Milestone XProtect®.

VALUE ADDED PRODUCTS AND SERVICES

Health Utility Monitor: A comprehensive health utility that shows trends for practically every variable and integrates seamlessly into Milestone's Smart Client.

Integration Modules: We leverage the openness of the Milestone platform and provide the most affordable and elegant integration solutions.

Remote Support Services: If you are new to Milestone or simply need help optimizing or troubleshooting your system, or setting up smart client views, our experienced team is here to help.

Pre-Configuration Options: We can add and map your cameras to drives, pre-configure your storage solution, and set network parameters. Essentially we can make it a plug-n-play solution.

Warranty: The EasyNVR® comes with a 1 year warranty, but you may choose a 2 to 3-year extended warranty.



PROVEN RELIABILITY:

The **EasyNVR**® systems are designed and manufactured in the USA, and utilize **enterprise-class components**. All EasyNVR® systems use Intel® processors. The EasyNVR® has proven its reliability and is the chosen system for Schools, Colleges, Hospitals, Retailers, Manufacturers, City-Wide Surveillance, Residential, Local Governments as well as Federal Government institutions.

CHOICE & AFFORDABILITY:

The EasyNVR® line is available in 6 models, the Lite, Lite Plus, Economy, Standard, Standard Plus and Performance. Within each model you can select the Chassis, Operating System, Live Drive, and Archive Drive configurations and the version of Milestone XProtect software. In addition, you get to select a variety of different value added software and hardware options. The amount of flexibility afforded, allows you to design the most appropriate and affordable Milestone XProtect® system.

SAVE TIME & MONEY:

The EasyNVR® servers are specifically designed to simplify Milestone XProtect System Installations. Our simple part code makes it easy to build the perfect system each and every time. When you receive your server, it is already pre-installed with your specified Milestone Software. In addition, the hard drives are pre-formatted, BIOS settings are configured, Windows firewalls and other security provisions are set, Windows and Network optimizations are performed and documentation is loaded on the desktop. The systems are then burned-in at the factory to insure the fastest most trouble free installation. All you need to do is turn it on, enter the Milestone License key and begin configuring the Milestone Software. The EasyNVR® also includes several value-added options that will lower your maintenance cost and provide unique integrated solutions.





The Open Platform Company

ABOUT MILESTONE SYSTEMS:

Milestone Systems is the global industry leader in open platform IP video management software, according to IMS Research. The XProtect platform delivers powerful surveillance that is easy to manage, reliable and proven in thousands of customer installations around the world. With support for the widest choice in network hardware and integration with other systems, XProtect

provides best-in-class solutions to video enable organizations - managing risks, protecting people and assets, optimizing processes and reducing costs.





VALUE ADDED SOFTWARE

PRE-INSTALLED ISONAS CRYSTAL MATRIX SOFTWARE AND THE MILESTONE ACCESS INTEGRATION SOFTWARE

The EasyNVR® servers come pre-installed with all the software components necessary to turn your Milestone system into a powerful integrated security system. All you need are the necessary licenses, ISONAS readers and POE network ports to connect them.



This is a tested, proven and **Milestone Certified**Integration that leverages the power of openplatform systems. The elegance of the solution is
that it simply maps real-time events from ISONAS to
Milestone's Alarm & Event subsystems. In addition,
user interactions from within the Milestone Smart
Client are fed back into the ISONAs card access
system. With this integration, the most commonly
used access control functions are built into XProtect[®]
Smart Client interface, thereby providing a unified
interface for both your video and card access system.

Some Integration Features

- Quickly associate readers with cameras
- Easily Import card holder credentials and pictures into Milestone
- Cardholder credentials automatically appear when cards are swiped, providing guards with fast video verification
- Trigger Matrix Video Alarms based on specified Access Control events
- Control doors directly from the Smart Client
- Map Interface to control doors and visualize status
- Perform filtered searches to investigate cardholders and specified access control alarms
- Generate access control event reports from the



NOTE: The **EasyNVRs**® not only have all the software pre-installed, they also include a completely installed virtual system - including direct show cameras and a virtual card reader. This allows you to see and interact with a completely running and integrated system. When you are ready to go, simply disable the direct show cameras, add your readers to the Crystal Matrix Software, map your readers to cameras and turn on features with confidence.





VALUE ADDED SOFTWARE

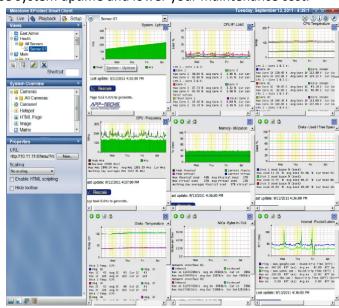
PRE-INSTALLED HUM® - A COMPREHENSIVE HEALTH UTILITY FOR OPTIMIZING AND MAINTAINING YOUR SYSTEM

HUM® is a **comprehensive health utility** that will increase system uptime and lower your maintenance cost.

HUM runs in the background to log and graphs the following:

CPU Utilization * CPU Core Temperature * Disk
Temperature(s) * Disk I/O * Disk Storage Utilization *
Disk Errors * Disk Run Times * Network Utilization *
Memory Utilization * Camera & Network Latency *
System Uptime * Days Short Archiving * Other SNMP
data

This data is presented in graphical form and can be viewed in different time scales highlighting trends. In addition, HUM® can provide email alerts when certain thresholds are exceeded. **HUM®** is web based and therefore easily added into Milestone Smart Client Views.



PRE-INSTALLED 2N HELIOS UTILITY - QUICKLY INTEGRATE IP-BASED INTERCOM W / CAMERA INTO MILESTONE

Security systems often involve intercoms, so why not integrate an IP-based Intercom from 2N Helios Intercoms. If you get the model with an embedded camera, you can easily integrate that camera into Milestone to work like any other camera. Our **EasyNVR®** servers include all the necessary software right on the desktop making the integration a snap.



PRE-INSTALLED 2N NETSPEAKER PA AND BELL SYSTEM SOFTWARE

Many security systems are installed in schools and large facilities that also require public address and bell systems. With the **EasyNVR®** server, you'll have all the necessary software installed to quickly add an affordable, flexible, scalable and powerful IP-based audio system from 2N Telecommunications.

2N® NetSpeaker System schema





Specifications are subject to change without notice.

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MANAGEMENT SERVERS

EASYNVR MANAGEMENT General Hardware Specifications

 OS & SW
 Windows Server 2012R2 , Milestone XProtect Corporate
 OS Drives
 SSD 2.5" 240 GB

 CPU
 Intel Xeon Quad Core
 Video/Audio
 (1) VGA port / No Audio

Memory 12GB DDR3 Accessories 101-Key, USB, Keyboard Black; Optical, USB, Black

Network: (1) GB Ethernet

MS - Rack, 1U



Chassis Type Supermicro®, 1U Rack-mount, Black, w/ Rails
Drive Bays (1) CD/DVD + (2) Hot-Swap 3.5" Bays

Power Supply 350W

Fans (2) 10cm Blower Fans

 Ports
 (2) USB 2.0

 Dimensions
 25.6" x 17.2" x 1.7"

 Weight
 36 lbs (fully populated)

MP - Rack 1U with Redundant Power Supply



Chassis Type Supermicro®, 1U Rack-mount, Black, w/ Rails
Drive Bays (1) CD/DVD + (2) Hot-Swap 3.5" Bays

Power Supply 500W Redundant

 Fans
 (2) 10cm Blower Fans

 Ports
 (2) USB 2.0

 Dimensions
 25.6" x 17.2" x 1.7"

Weight 36 lbs (fully populated)

RECORDING SERVERS

EASYNVR® LITE & LITE PLUS General Hardware Specifications

OS Windows 7 Pro 64 bit OS Drives SSD 2.5", 240 GB

 CPU
 Lite: Intel® Celeron Dual Core / Lite Plus: Intel® Core i3, Dual Core
 Data Drives
 Enterprise-class (quantity and type defined by P/N)

 Memory
 4GB DDR3, 1333 MHz
 Video / Audio
 (1) VGA port, HDMI, & DVI / (1) Microphone in & Speaker Out

 Network
 (1) RJ-45, 1 Gb/s Ethernet
 Accessories
 Optical USB mouse; Keyboard – USB, 101-Key Black

LX (Lite - Intel® Celeron Dual Core) & LP (Lite Plus - Intel® Core i3, Dual Core)





Chassis Type Mini-ITX Tower, Black
Dimensions 8.7" x 8.9" x 12.8"
Weight 15 lbs. (Fully populated)

Power Supply 150W

 Drive Bays
 (4) 3.5" Hot-Swap

 Fans
 (1) 120mm

 Front Ports
 (2) USB 2.0





EASYNVR® ECONOMY

General Hardware Specifications

OS Windows 7 Pro 64-bit, Windows Server 2012R2 OS Drives SSD 2.5" 240 GB

CPUIntel® Core i3, Dual CoreData DrivesEnterprise-Class (quantity and type defined by P/N)Memory6GB, DDR3, 1333 MHzVideo / Audio(1) VGA port, HDMI, & DVI / (1) Microphone in & Speaker OutNetwork1 GB EthernetAccessoriesKeyboard 101-Key, USB, Black; Mouse, Optical, USB, Black

FEATURE: All system configurations allow for field- expansion, to fully populate all drive bays without the need to add additional controllers

ES - Tower



Chassis Type Tower, Black

Drive Bays: (1) CD/DVD + (9) additional bays

Power Supply 500W

Fans (1) 120mm (Front), (1) 80mm (Rear)

 Ports
 (2) USB 2.0, (1) Mic.

 Dimensions
 18.3" x 7.9" x 16.9"

 Weight
 17 lbs (fully populated)

ER - Rack-mount 4U





Chassis Type 4U Rack-mount, Black, w/ Rails

Drive Bays: (1) CD/DVD + (7) additional bays

Power Supply 500W

Fans (1) 120mm + (2) 80mm Ports (2) USB 2.0 Dimensions 19" x 20" x 7"

Weight 46 lbs (fully populated)

E2 - Rack-mount 2U



Chassis Type 2U Rack-mount, Black, w/ Rails Drive Bays (1) CD/DVD + (4) additional bays

 Power Supply
 500W

 Fans
 (3) 80mm

 Ports
 (2) USB 2.0

 Dimensions
 23.5" x 19" x 3.5"

 Weight
 40 lbs (fully populated)





EASYNVR STANDARD

General Hardware Specifications

OS Windows 7 Pro 64-bit, Windows Server 2012R2

CPU Intel® Core i5, Quad Core
Memory 8GB, DDR3, 1333MHz
Network: (2) GB Ethernet

OS Drives SSD 2.5"240 GB

Data Drives Enterprise-Class (quantity and type defined by P/N)

Video / Audio (1) VGA port, HDMI, & DVI / (1)Microphone in & Speaker Out

Accessories Keyboard 101-Key, USB, Black; Mouse, Optical, USB, Black

FEATURE: All system configurations allow for field- expansion, to fully populate all drive bays without the need to add additional controllers

SS - Tower / Rack 4U



Chassis Type Supermicro® 4U Rack-mount/Pedestal Tower, Black, w/ Rails

Drive Bays (1) CD/DVD + (2) internal + (8) Hot-Swap

Power Supply 665W

Fans (4) 5000 RPM Hot-swap PWM Cooling Fans

 Front Ports
 (2) USB 2.0, (1) Mic.

 Dimensions
 25.5" x 17.8" x 7"

 Weight
 84 lbs. (fully populated)

SP - Tower / Rack 4U with Redundant Power Supply



Chassis Type Supermicro® 4U Rack-mount/Pedestal Tower, Black, w/ Rails

Drive Bays (1) CD/DVD + (2) internal + (8) Hot-Swap

Power Supply 1200W Redundant

Fans (5) 5000 RPM Hot-swap - (3 front, 2 rear fans)

Front Ports (2) USB 2.0

Dimensions 25.5" x 17.8" x 7"

Weight 76 lbs (fully populated)

S2 - Rack 2U with Redundant Power Supply



Chassis Type Supermicro®, 2U Rack-mount, Black, w/ Rails
Drive Bays (1) CD/DVD + (2) internal 3.5" + (8) Hot-Swap

 Power Supply
 700W Redundant

 Fans
 (3) 80mm

 Front Ports
 (2) USB, (1) DB9 Com

 Dimensions
 25.5" x 17.2" x 3.5"

 Weight
 66 lbs (fully populated)

S3 - Rack 3U with Redundant Power Supply





Chassis Type Supermicro®, 3U Rack-mount, Black, w/ Rails
Drive Bays (1) CD/DVD + (16) Hot-Swap 3.5" Bays

Power Supply 1200W Redundant

Fans (3) 80mm Middle Fan + (2) 80mm Rear-Exhaust Fan

 Front Ports
 (2) USB, (1) DB9 Com

 Dimensions
 25.5" x 17.2" x 5.2"

 Weight
 72 lbs (fully populated)





EASYNVR[®] STANDARD PLUS

General Hardware Specifications

OS Windows 7 Pro 64-bit, Windows Server 2008R2 or 2012R2 OS Drives SSD 2.5" 240 GB

CPUIntel® Core i7, Quad CoreData DrivesEnterprise-Class (quantity and type defined by P/N)Memory8GB, DDR3, 1333MHzVideo / Audio(1) VGA port, HDMI, & DVI / (1) Microphone in & Speaker OutNetwork:(2) GB EthernetAccessoriesKeyboard 101-Key, USB, Black; Mouse, Optical, USB, Black

FEATURE: All system configurations allow for field- expansion, to fully populate all drive bays without the need to add additional controllers

XS - Tower / Rack 4U



Chassis Type Supermicro®, Tower / 4U Rack-mount, w/ Rails
Drive Bays (1) CD/DVD + (2) external + (8) Hot-Swap Bays

Power Supply 500W

Fans (4) 5000 RPM Hot-swap PWM Cooling Fans
Front Ports (2) USB 2.0, (1) Mic., (1) Audio out

Dimensions 25.5" x 17.8" x 7"

Weight 84 lbs (fully populated)

XP - Tower / Rack 4U with Redundant Power Supply





Chassis Type Supermicro® 4U Rack-mount/Pedestal Tower, Black, w/ Rails

Drive Bays (1) CD/DVD + (2) internal + (8) Hot-Swap

Power Supply 1200W Redundant

Fans (5) 5000 RPM Hot-swap - (3 front, 2 rear fans)

 Front Ports
 (2) USB 2.0

 Dimensions
 25.5" x 17.8" x 7"

 Weight
 76 lbs (fully populated)

X2 - Rack 2U with Redundant Power Supply



Chassis Type Supermicro®, 2U Rack-mount, Black, w/ Rails
Drive Bays (1) CD/DVD + (2) internal 3.5" + (8) Hot-Swap

 Power Supply
 700W Redundant

 Fans
 (3) 80mm

 Front Ports
 (2) USB, (1) DB9 Com

 Dimensions
 25.5" x 17.2" x 3.5"

 Weight
 66 lbs (fully populated)

X3 - Rack 3U with Redundant Power Supply





Chassis Type Supermicro®, 3U Rack-mount, Black, w/ Rails
Drive Bays (1) CD/DVD + (16) Hot-Swap 3.5" Bays

Power Supply 1200W Redundant

Fans (3) 80mm Middle Fan + (2) 80mm Rear-Exhaust Fan

 Front Ports
 (2) USB, (1) DB9 Com

 Dimensions
 25.5" x 17.2" x 5.2"

 Weight
 72 lbs (fully populated)





EASYNVR PERFORMANCE

General Hardware Specifications

OS Windows 7 Pro 64-bit, Windows Server 2008R2 or 2012R2

CPU (2) Intel Xeon Quad Core

Memory 12GB, DDR3, 1333MHz Network (3) GB Ethernet OS Drives SSD 2.5" 240 GB

Data Drives Enterprise-Class (quantity and type defined by P/N)

Video/Audio (1) VGA port / No Audio

Accessories Keyboard 101-Key, USB, Black; Optical, USB, Black

FEATURE: All system configurations allow for field- expansion, to fully populate all drive bays without the need to add additional controllers

PS - Tower / Rack 4U



Chassis Type Supermicro®, Tower / 4U Rack-mount, w/ Rails
Drive Bays (1) CD/DVD + (2) external + (8) Hot-Swap Bays

Power Supply 500W

Fans (4) 5000 RPM Hot-swap PWM Cooling Fans
Front Ports (2) USB 2.0, (1) Mic., (1) Audio out

Dimensions25.5" x 17.8" x 7"Weight84 lbs (fully populated)

PP - Tower / Rack with Redundant Power Supply





Chassis Type Supermicro®, 4U Rack-mount/Tower, Black, w/ Rails
Drive Bays (1) CD/DVD + (2) External + (8) Hot-Swap Bays

Power Supply 1200W Redundant

Fans (3) 5000 RPM Hot-swap & (2) 5000 RPM Hot-swap Rear Exhaust

 Front Ports
 (2) USB 2.0

 Dimensions
 25.5" x 17.8" x 7"

 Weight
 84 lbs (fully populated)

P2 - Rack 2U with Redundant Power Supply





Chassis Type Supermicro®, 2U Rack-mount, Black, w/ Rails
Drive Bays (1) CD/DVD + (2) Internal Fixed 3.5" + (8) Hot-Swap Bays

Power Supply 700W Redundant Fans (3) 80mm

 Front Ports
 (2) USB, (1) DB9 Com

 Dimensions
 25.5" x 17.2" x 3.5"

 Weight
 66 lbs (fully populated)

P3 - Rack 3U with Redundant Power Supply





Chassis Type Supermicro®, 3U Rack-mount, Black, w/ Rails
Drive Bays (1) CD/DVD + (16) Hot-Swap 3.5" Bays

Power Supply 1200W Redundant

Fans (3) 80mm Middle Fan + (2) 80mm Rear-Exhaust Fan

 Front Ports
 (2) USB, (1) DB9 Com

 Dimensions
 25.5" x 17.2" x 5.2"

 Weight
 72 lbs (fully populated)





EASYNVR® PART CODE TABLE

The **EasyNVR®** part code system not only defines your specific Milestone build, it also defines your hardware and its specific configuration. In addition, you can include Milestone software licenses or any of App-Techs' value-added software modules.

System / Chassis Style	Operating System Configuration (*1)	Live Drive Configuration (*2,* 3)	Archive Drive Configuration (*4)	Milestone XProtect® SW	Options
Lite	Windows 7	Standard Drives	JBOD	G = Go	HUM = Health Utility Monitor
LX = Lite					
	wsx = Solid State drive	S1J = 1 Drive, JBOD	01J = 1TB, 1 drive	S = Essentials	FHBA = Fiber Host Adapter
LP = Lite Plus		S2J = 2 Drives, JBOD	02J = 2TB, 1 drive		·
	wsm = Solid State drives,	S3J = 3 Drives, JBOD	03J = 3TB , 1 drive	X = Express	VIRW = Virtual Environment Win 7
Economy	Mirrored (not available on	S4J = 4 Drives, JBOD	04J = 4TB, 1 drives		
ES = Tower	Lite models)	S1M = 1 Pair, Mirrored	06J = 6TB, 2 drives	P = Professional	NIC = Additional NIC
		S2M = 2 Pairs, Mirrored	08J = 8TB, 2 drives		
ER = Rack-mount 3U	WSO = No dedicated OS Drive	S3M = 3 Pairs, Mirrored	09J = 9TB, 3 drives	E = Enterprise	CAIS= ISONAS SW Installed
	(For Lite Models Only)	S4M = 4 Pairs, Mirrored	12J = 12TB , 3 drives		
E2 = Rack-mount 2U		S1T = 4 Drives, RAID 10	15J = 15TB , 5 drives	T = Expert	CAZK = ZK SW Installed
			16J = 16TB , 4 drives		
Standard	Windows Server 2012 R2	Fast Drives	18J = 18TB , 6 drives	C = Corporate	HYB = 16 Channel Encoder
SS = Tower / Rack 4U	aav – Calid State deivo		20J = 20TB , 5 drives		Board
	SSX = Solid State drive	F1J = 1 Drive, JBOD	21J = 21TB , 7 drives	N = No Milestone	
SP = Tower / Rack 4U with	SSM = Solid State drives,	F2J = 2 Drives, JBOD	24J = 24TB , 6 drives	SW Installed	VGA = Additional VGA
Redundant PS	Mirrored. (not available on	F3J = 3 Drives, JBOD	28J = 28TB, 7 drives		Graphics Adapter Not Available on Performance models
~	Lite models)	F4J = 4 Drives, JBOD	32J = 32TB , 8 drives		Not Available of Performance models
S2 = Rack 2U with	Lite models)	F1M = 1 Pair, Mirrored	36J = 36TB , 9 drives		2WTY = 2 Yr. Warranty
Redundant PS		F2M = 2 Pairs, Mirrored	40J = 40TB , 10 drives		2
S3 = Rack 3U with		F3M = 3 Pairs, Mirrored	44J = 44TB , 11 drives		3WTY = 3 Yr. Warranty
Redundant PS		F4M = 4 Pairs, Mirrored	48J = 48TB , 12 drives		,
Neudildant F3		F1T = 4 Drives, RAID 10			4WTY = 4 Yr. Warranty
Standard Plus		F2T = 8 Drives, RAID 10	RAID 5 (usable storage)		,
XS = Tower / Rack 4U					5WTY = 5 Yr. Warranty
AS - TOWER / Nack 40		NY D. Malling Daines	035 = 3TB, 4 drives		,
XP = Tower / Rack 4U with		NLD = No Live Drives	045 = 4TB, 3 drives		1LW = 1-Year Labor Warranty
Redundant PS			065 = 6TB, 3 drives		Add to existing 1-Yr Parts Warranty
nedandane i 5			085 = 8TB, 3 drives		
X2 = Rack 2U with			095 = 9TB, 4 drives		2PLW = 2-Year Parts & Labor
Redundant PS			125 = 12TB , 4 drives		Warranty
			155 = 15TB, 6 drives		2 2 2 2 4 4
X3 = Rack 3U with			165 = 16TB, 5 drives		3PLW = 3-Year Parts & Labor
Redundant PS			185 = 18TB , 7 drives		Warranty
			205 = 20TB , 6 drives 245 = 24TB , 7 drives		ADIM - A Veer Ports 9 Labor
Performance			285 = 28TB , 8 drives		4PLW = 4-Year Parts & Labor
PS = Tower / Rack 4U			325 = 32TB , 9 drives		Warranty
			365 = 36TB, 10 drives		5PLW = 5-Year Parts & Labor
PP = Tower / Rack 4U with			405 = 40TB, 11 drives		Warranty
Redundant PS			445 = 44TB, 12 drives		· · · · · · · · · · · · · · · · · · ·
			485 = 48TB, 13 drives		LPR = License Plate
P2 = Rack 2U with			525 = 52TB , 14 drives		Recognition
Redundant PS			565 = 56TB, 15 drives		
					ACX = ISONAS / Milestone
P3 = Rack 3U with			RAID 6 (usable storage)		Access Control Integration Installed
Redundant PS					
Management Convers			406 = 40TB, 12 drives		For Milestone XProtect Software
Management Servers MS = Rack 1U			446 = 44TB, 13 drives		Licenses add Milestone Part code +
IIO - NOCK IO			486 = 48TB , 14 drives		quantity
MP = Rack 1U with Redundant PS			(Other RAID 6 configurations available)		Refer to Milestone Price Sheet for
nedaridant F3			NIS = No internal storage		part numbers

Disk Drive Specifications

- *1 SSD 2.5", 240 GB
- *2 SATA, 3.5", 500 GB, 7,200 RPM
- *3 SAS, 3.5", 300 GB, 15,000 RPM
- *4 SATA, 3.5", 1TB, 7,200 RPM ... or 2TB, 3TB, 4TB

