



milestone

# HUSKY™ M500 Advanced

## Product Specification Sheet

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## NVR Hardware Platform with Scalable Software



The Milestone Husky™ M500 Advanced NVR goes beyond the ordinary all-in-one network video recorders (NVRs). Designed in a 2U rack form factor, the M500A is a purpose built high-density surveillance recording hardware platform. With a guaranteed support of 600Mb/s recording performance, the M500A is capable of recording up to 512 HD cameras<sup>1</sup>. Preloaded with Milestone XProtect Advanced VMS software, the M500A unit combines comprehensive video surveillance functions and high performance, with low total cost of ownership. This makes the M500A the most versatile and capable recording platform available with Milestone XProtect software.

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## Key Features

### High performance NVR Hardware Platform

- Milestone exclusive designed and built hardware platform
- Performance guaranteed of 600 Mb/s recording rate – up to 512 HD cameras per NVR unit
- RAID Controller - optimized for streaming applications and supporting RAID 5/6/10/50
- Western Digital Purple Drives – optimized for Surveillance NVRs

### Scalable software

- Flexible licensing of either XProtect Expert or XProtect Corporate software
- Hardware optimized advanced VMS functions
- Full system NVR redundancy with hot or cold failover recording servers
- Real-time device load optimization with hardware move functionality
- Extend video storage with archiving to 3<sup>rd</sup> party NAS storage units

### Lowest NVR total cost of ownership

- Industry leading price-performance ratio
- Lower support costs with Milestone customer dashboard provides proactive system monitoring tools and backup recovery image
- Software license portability lowers license administration and management costs.
- Free upgrades to current Milestone XProtect Software
- Includes a 3 years hardware warranty and **Milestone Care™ Plus** for investment protection

### Easy system design - fast deployment

- **Simplified product sku's**
- Easy to calculate system requirements using the Husky Calculator
- Pre-installed with Windows 10 Operating System, Milestone XProtect Expert and XProtect Corporate
- Pre-licensed with XProtect Expert base software
- Quick setup with the Husky Assistant

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<sup>1</sup> 720P HD Cameras, H.264, 30FPS, 1Mb/s Video Stream with VMD (video motion detection) operated on the edge device



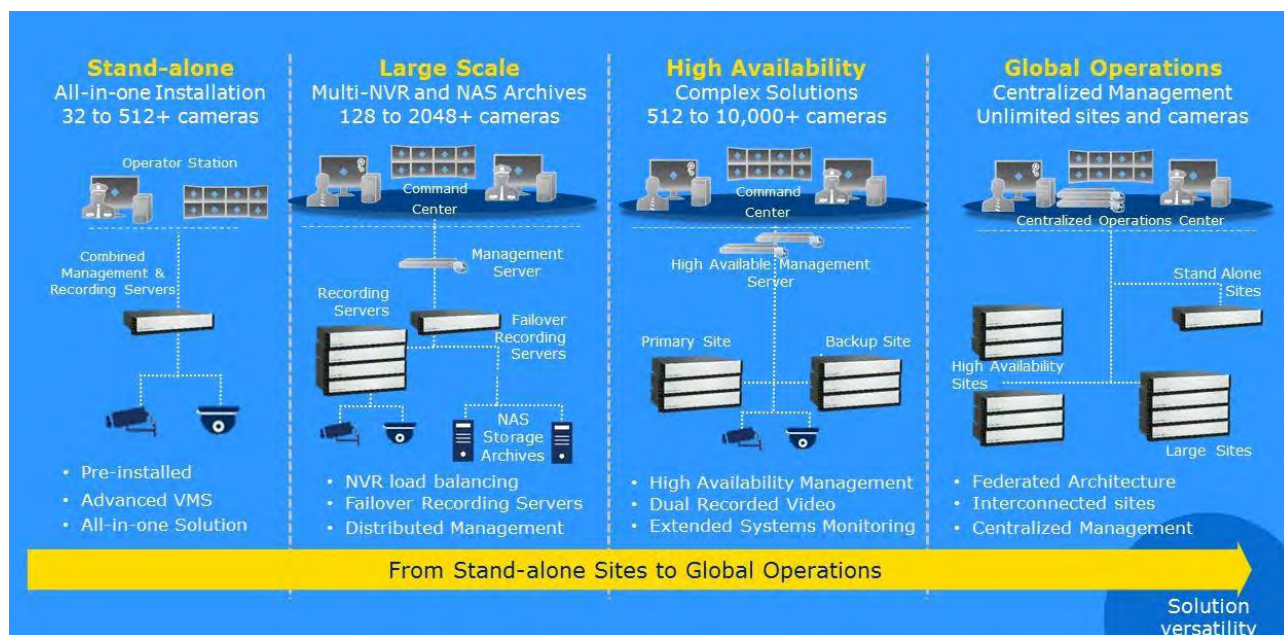
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## Solution versatility

Milestone Husky M500 Advanced is a versatile NVR that can be applied in a variety of system configurations; from stand-alone all-in-one NVR installations, large scale multi-NVR and NAS archives, High-availability complex solutions or globally operations with centralized management.

When building distributed surveillance installations, Husky M500A NVR hardware

platform operates as a dedicated primary or failover recording server, a management server, or ONVIF gateway. Using either XProtect Expert or XProtect Corporate it can be used as an edge system in remote locations that are connected to a centralized surveillance site using Milestone Federated Architecture or Milestone Interconnect.



Ideal for large-scale and high-security deployments, Milestone Husky M500 Advanced is compatible with thousands of cameras, XProtect® add-ons (e.g. XProtect® LPR and XProtect® Access), Milestone ONVIF Bridge and third-party integrations such as video analytics.

Milestone **Husky M500A** is pre-licensed with XProtect Expert and pre-installed Xprotect Corporate:

- ✓ Scalable VMS Software
- ✓ High performance NVR Hardware Platform
- ✓ Failover recording server support
- ✓ Comprehensive management & monitoring
- ✓ Metadata analytic support
- ✓ Hardware Accelerated Video Decoding

Husky M500 Advanced supports all Milestone clients:



**XProtect®**  
Smart Client



**Milestone**  
Mobile

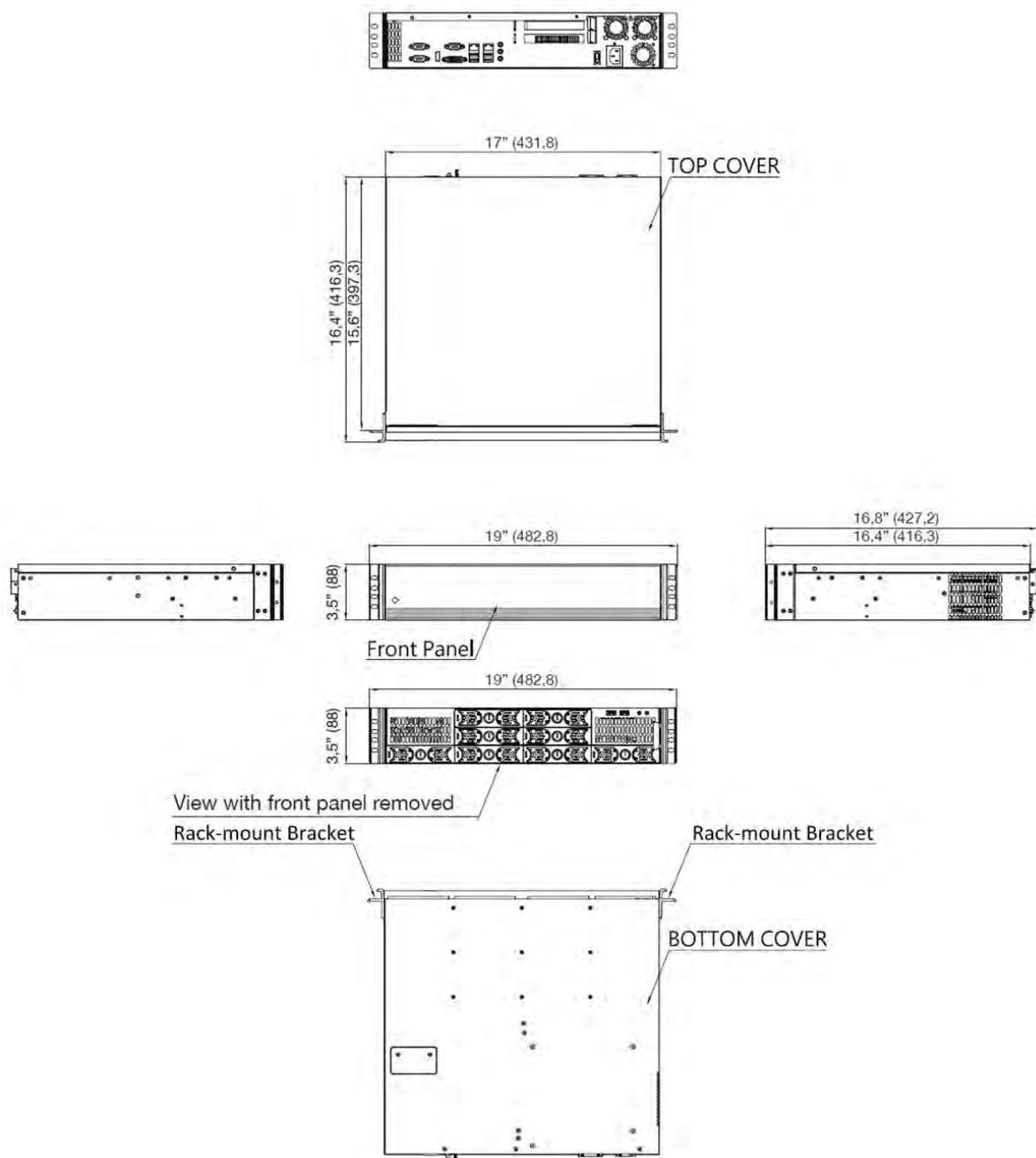


**XProtect®**  
Web Client

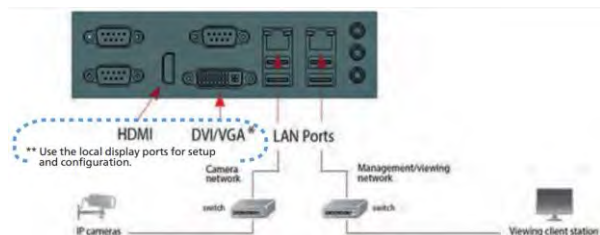


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## Dimensions



## Back Panel Layout



\*) To use the VGA port, you must attach the provided adapter.

\*\*) IMPORTANT: Although possible, it is not recommended to use the local display ports for video surveillance procedures.



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## Specifications

	Specification	Detail
Compute System	CPU	Intel i7 3610 QE
	Processor Base Frequency	2.3 GHz
	Passmark	7463
	Intel Smart Cache	6 MB
	Instruction Set	64-bit
	Number of Cores	4
	Number of Threads	8
	Intel Quick Sync Video	Yes
	Intel Turbo Boost Technology	Yes
	Intel Hyper-Threading	Yes
Network System	RAM	16GB
	Operating System	Windows 10
	OS Storage	128GB mSata SSD
	Number of Ethernet Ports	2
	Port Type	GbE, RJ45
Video Management System	Dual IP Addressable	Yes
	IPv4 Support	Yes
	IPv6 Support	Yes
	Teaming Support	Yes
	Camera Multicast Support	Yes
	Smart Client Multicast Support	Yes
	NVR Class	Up to 512 Cameras
	Video Management System pre-installed	Milestone XProtect Expert or XProtect Corporate
	Management Server Database	Microsoft SQL Server 2014 Express Edition
	Base License included	XProtect Expert 2016, pre-licensed
Storage System	VMS License Portability	Yes
	Recording Server	Yes
	Failover Server	Yes, Hot or Cold Standby
	Management Server	Yes
	All In One VMS	Yes
	Codec Support	H.264, MJPEG, MPEG4, MxPEG
	Audio Support	Yes, Two-Way
	Remote Viewing and Playback	Yes
	Care Plus	3 Years included
	Hardware accelerated video decoding Smart Client	Yes
	Software Trade-in	Yes 100% w/ Care Plus
	Software Upgrades	Yes w/ Care Plus
	Recovery Image	Yes
	VMS Install Wizard	Yes, Husky Assistant
	Max Recording Rate	600Mb/s
	RAID Controller	MegaRAID® SAS/SATA 9260-8i
	Number of Ports	8
	Data Transfer Rates	6Gb/s per port
	RAID Levels	5/6
	RAID Spans	10/50
	Hot Plug in Play Disk Drives	Yes
	Hot Spare	Yes
	Sector Size	64KB
	Number of Drives	8
	Drive Type	Western Digital Purple Drives
	Drive Sizes	1TB/ 2TB / 3TB / 6TB
	Raw Maximum Storage	8TB / 16TB/ 32TB/ 48TB
	Drive Interface	SATA 6 Gb/s
	Volume Block Size	64KB
	Drive RPM Speed	5400
	Drive Data Transfer Rate (Host to/from drive sustained)	110 MB/s – 175 MB/s
	Drive Cache (MB)	64
	Supports external NAS/SAN	Yes

	Specification	Detail
Mechanical	Form Factor	Rack-Mounted, 2U
	Dimensions	43(W)x40(D)x8.8(H) cm 17(W)x16.4(D)x3.5(H) inches
Electrical	Power Input	100–240V, 50/60 Hz, 200W
	Maximum Power Consumption	90-120 watts (configuration dependent)
	System I/O	2 x GbE RJ45 4 x USB 3.0 1 x DVI / 1x HDMI 1 x Line-out / MIC-in / Line-in 3 x COM ports
Environmental	Operation Temp	0–40°C
	Storage Temp	-20°C ~70°C
	Humidity	10–90 % relative humidity (non-condensing)
Accessories	Rack Mounting Kit	Yes
	Power Cables	Yes, type dependent on region
	Keyboard and Mouse	In selected regions only
	Connectors	1x DVI to VGA converter
Other	Regulatory Compliance – Partial Listing	CE (class A), WEEE, FCC (class A), RCM, UL, VCCI, Mexico(CoC), South Africa(CoC)

## Ordering Information

SKU	Description
HM500A-XPET-8TB	Husky M500A XProtect Expert NVR, 8TB, RAID 5/10, Rack Mounted, 0 devices Licenses
HM500A-XPET-16TB	Husky M500A XProtect Expert NVR, 16TB, RAID 5/10, Rack Mounted, 0 devices Licenses
HM500A-XPET-32TB	Husky M500A XProtect Expert NVR, 32TB, RAID 5/10, Rack Mounted, 0 devices Licenses
HM500A-XPET-48TB	Husky M500A XProtect Expert NVR, 48TB, RAID 5/10, Rack Mounted, 0 devices Licenses
HM500A-XPETDL	Husky M500A XProtect Expert NVR Device License, including 3 years Care Plus
UHM500A-XPETBL	Trade-in Husky M500A XProtect Expert NVR Base License credit with Care Plus
XPCOBT	XProtect Corporate Base License
XPCODL	XProtect Corporate Device License

Milestone Husky M500 Advanced includes 3 years Milestone Care Plus coverage for XProtect Expert.

Milestone also offers optional Care Premium technical support services for Husky M500 Advanced.

### About Milestone Systems

Milestone Systems is a global industry leader in open platform IP video management software, founded in 1998 and now operating as a stand-alone company in the Canon Group. Milestone technology is easy to manage, reliable and proven in thousands of customer installations, providing flexible choices in network hardware and integrations with other systems. Sold through partners in more than 100 countries, Milestone solutions help organizations to manage risks, protect people and assets, optimize processes and reduce costs. For more information, visit [www.milestonesys.com](http://www.milestonesys.com).

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Milestone Systems has 20 offices worldwide and is distributed in more than 100 countries. For more information on how to contact us and to get purchase information, please visit our website [milestonesys.com](http://milestonesys.com).

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