



High-performing NVR platform with scalable software

The Milestone Husky™ M500/M550 Advanced NVRs go beyond the ordinary all-in-one network video recorders (NVRs). Designed in a 2U rack form factor, they are purpose built high-performance surveillance recording hardware platforms with a guaranteed support of up to 1200Mb/s recording rate. Preloaded with Milestone XProtect Expert VMS software, the units combine comprehensive video surveillance functions and high performance, with low total cost of ownership. This makes them the most versatile and capable recording platforms available with Milestone XProtect software.

Highlights

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 three-year hardware warranty and Milestone Care™ Plus for investment protection

High-performance NVR hardware platform

- Milestone exclusive designed and built hardware platform
- Performance guaranteed of 600 Mb/s or 1200Mb/s recording rate – up to 512/768 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

Easy system design - fast deployment

- Easy-to-calculate system requirements using the Husky calculator
- Pre-installed with Windows 10 operating system
- Pre-licensed with XProtect Expert base software
- Quick setup with the Husky Assistant

Expanded performance (M550A Only)

- 10Gbe LAN + Storage HBA using the Intel Converged Network Adapter X550T2
- Hot swappable, Dual Power Supply (n+1)

Scalable software

- Hardware optimized advanced VMS functions
- Full system NVR redundancy with hot or cold failover recording servers
- Extend video storage with archiving to third-party NAS storage units

Solution versatility

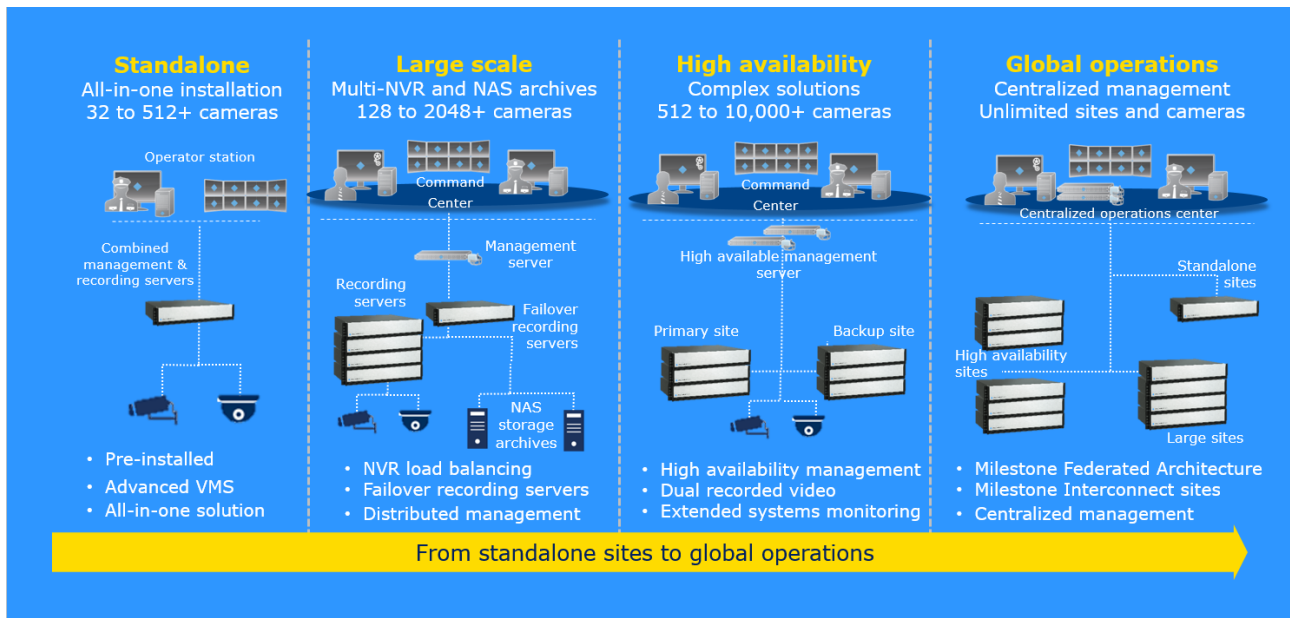
Milestone Husky M500A / M550A are versatile NVRs which can be applied in a variety of system configurations.

Traditionally, NVRs are deployed as a stand-alone, all-in-one NVR installation. The Milestone Husky M500A / M550A NVRs can be deployed in many other ways. For example, they can replace expensive IT servers for large-scale multi-NVRs environments which require the use of external storage archives.

Unlike traditional NVRs the M500A / M550A can also function in high-risk complex solutions or global operation systems with centralized management. Husky M500A / M550A Advanced

NVRs are pre-installed with Milestone XProtect Expert, ideal when building distributed surveillance installations.

The industry's number one VMS is also the industry's most scalable software. Because Husky M500A or M550A arrives preloaded with Milestone's XProtect Expert VMS you can operate them as a dedicated primary or failover recording server, as management server, or ONVIF gateway. They can be used as an edge recording systems in remote locations which are connected to a centralized surveillance site using Milestone Federated Architecture or Milestone Interconnect.



Milestone **Husky M500A/ M550A** are pre-licensed with XProtect Expert:

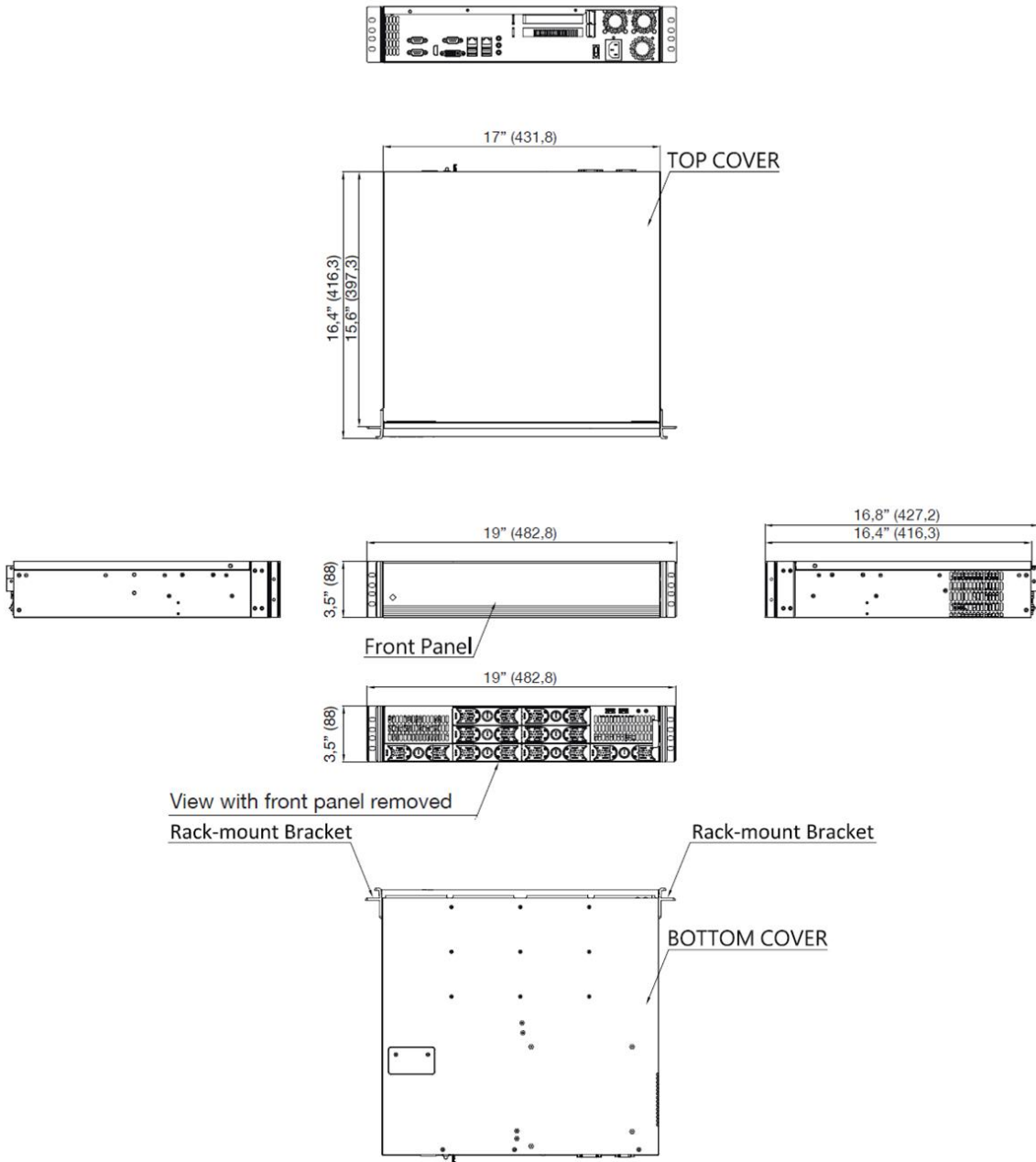
- ✓ Scalable VMS software
- ✓ High-performance NVR hardware platform
- ✓ Failover recording server support
- ✓ Comprehensive management & monitoring
- ✓ Metadata analytic support
- ✓ Hardware accelerated video decoding
- ✓ Compatible with more than 6,000 cameras
- ✓ Supports XProtect® add-ons products and Milestone ONVIF Bridge



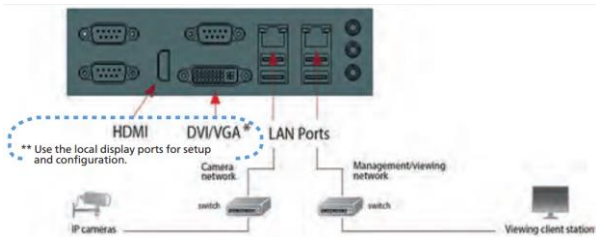
Husky M500A/M550A support all Milestone clients: **XProtect® Smart Client, XProtect® Web Client** and **Milestone Mobile**.

With the ability to access video from various locations, as well as computers and mobile devices there is an XProtect client to suit any need

M500A dimensions



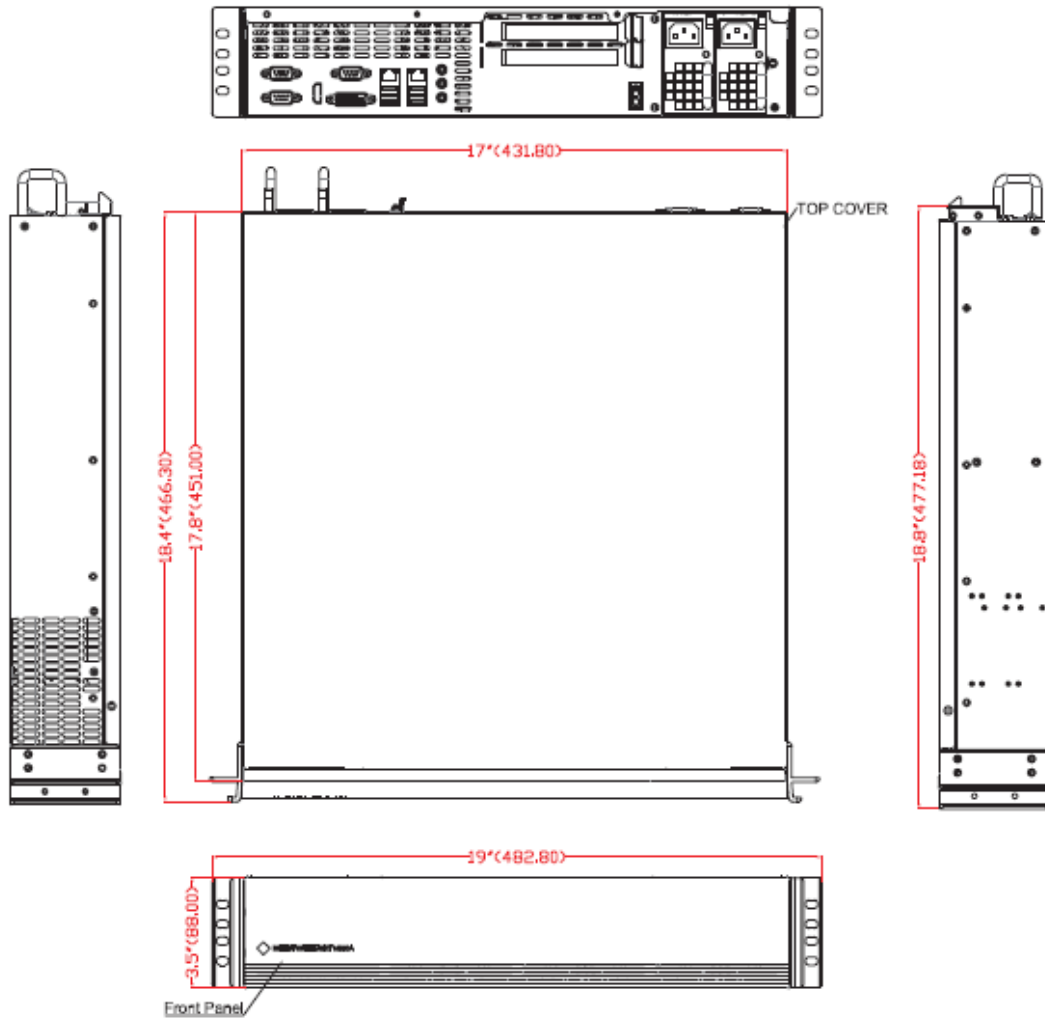
Back panel layout



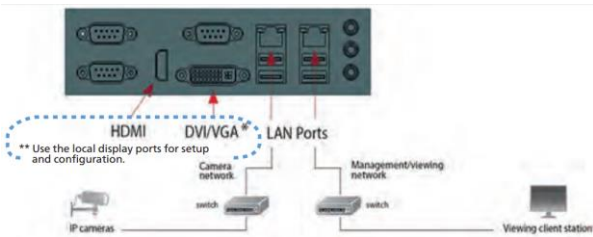
IMPORTANT: Local viewing should be using Hardware Accelerated Smart Client and may lower overall number of cameras being recorded.

M550A dimensions

Dimensions: 482.8 X 466.3mm X 88mm (2U)



Back panel layout



IMPORTANT: Local viewing should be using Hardware Accelerated XProtect Smart Client and may lower overall number of cameras being recorded.

Product Specification Sheet



Specifications

Specification				M500A		M550A	
Compute system	CPU			Intel i7 3610 QE		Intel i7 3610 QE	
	Processor base frequency			2.3 GHz		2.3 GHz	
	Passmark			7463		7463	
	Intel Smart Cache			6 MB		6 MB	
	Instruction Set			64-bit		64-bit	
	Number of cores			4		4	
	Number of threads			8		8	
	PCI Express	Revisions	Configuration	2.0	1x16	3.0	2x8
	Intel Quick Sync Video			Yes		Yes	
	Intel Turbo Boost Technology			Yes		Yes	
	Intel Hyper-Threading			Yes		Yes	
	RAM			16GB		16GB	
	Operating system			Windows 10		Windows 10	
	OS storage			128GB mSata SSD		128GB mSata SSD	
Network system	Number of Ethernet ports			2		4	
	Port speed			100BASE-T, 1000BASE-T		100BASE-T, 1000BASE-T, NBASE-T, 10GBASE-T	
	Cable type			CAT 5e, CAT6		CAT 5e, CAT6, CAT6A	
	Dual IP addressable			Yes		Yes	
	IPv4 support	IPv6 Support		Yes	Yes	Yes	Yes
	Teaming support			Yes		Yes	
	Camera multicast support			Yes		Yes	
	Smart Client multicast support			Yes		Yes	
	NVR class			Up to 512 Cameras		Up to 768 Cameras	
	Video management system pre-installed			Milestone XProtect Expert		Milestone XProtect Expert	
Management Server database			Microsoft SQL Server 2014 Express Edition		Microsoft SQL Server 2014 Express Edition		
Base license included			XProtect Expert 2017 R1, pre-licensed		XProtect Expert 2017 R1, pre-licensed		
VMS license portability			Yes		Yes		
Recording Server			Yes		Yes		
Failover Server			Yes, Hot or Cold Standby		Yes, Hot or Cold Standby		
Management Server			Yes		Yes		
All-in-one VMS			Yes		Yes		
Codec support			H.264, MJPEG, MPEG4, MxPEG		H.264, MJPEG, MPEG4, MxPEG		
Audio support			Yes, Two-Way		Yes, Two-Way		
Remote viewing and playback			Yes		Yes		
Care Plus			3 Years included		3 Years included		
Hardware accelerated video decoding Smart Client			Yes		Yes		
Hardware accelerated video motion detection (VMD)			Yes		Yes		
Software trade-in			Yes 100% w/ Care Plus		Yes 100% w/ Care Plus		
Software upgrades			Yes w/ Care Plus		Yes w/ Care Plus		
Recovery image			Yes		Yes		
VMS install wizard			Yes, Husky Assistant		Yes, Husky Assistant		
Storage system	Max recording rate			600Mb/s		1200 Mb/s	
	RAID controller			MegaRAID® SAS/SATA 9260-8i		MegaRAID® SAS/SATA 9260-8i	
	Number of ports			8		8	
	Data transfer rates			6Gb/s per port		6Gb/s per port	
	RAID levels			5/6		5/6	
	RAID spans			10/50		10/50	
	Hot plug-in-play disk drives			Yes		Yes	
	Hot spare			Yes		Yes	
	Sector size			64KB		64KB	
	Number of drives			8		8	
	Drive type			Western Digital Purple Drives		Western Digital Purple Drives	
	Drive sizes			1TB/ 2TB / 4TB / 6TB / 8TB		1TB/ 2TB / 4TB / 6TB / 8TB	
	Raw maximum storage			8TB / 16TB/ 32TB/ 48TB / 64TB		8TB / 16TB/ 32TB/ 48TB / 64TB	
	Drive interface			SATA 6 Gb/s		SATA 6 Gb/s	
	Volume block size			64KB		64KB	
	Drive RPM speed			5400		5400	
	Drive data transfer rate (Host to/from drive sustained) / per drive			110 MB/s - 178 MB/s		110 MB/s - 178 MB/s	
	Drive Cache (MB)			64 - 128		64 - 128	
	External LiveDB storage	NAS	SAN	No	Yes, iSCSI, software based	No	Yes, iSCSI or FCoE, both hardware based
	External ArchiveDB storage	NAS	SAN	Yes	iSCSI, software based	Yes	Yes, iSCSI or FCoE, both hardware based

Specifications, continued

	Specification	M500A	M550A
Power system	Power input rating	100~240V, 50/60 Hz, 5A	100~240V, 50/60 Hz, 5.5-3.2A
	Typical power consumption	Max. 128 watts (configuration dependent)	Max. 150 watts (configuration dependent)
	Rated power supply	250W	400W redundant
Environmental	MTBF (Mean Time Between Failures)	39878 hours @25°C	43152 hours @25°C
	Protections	TBD	OVP (over voltage), OCP (over current) , OTP (over temp) , SCP (short circuit)
	Hot Swappable PSU	No	Yes
Accessories	Power cables	Yes, type dependent on region	Yes, type dependent on region
	Keyboard and mouse	In selected regions only	In selected regions only
	Connectors	1x DVI to VGA converter	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)	CE (class A), WEEE, FCC (class A)*, RCM, UL, VCCI (class A)**, Mexico(CoC), South Africa(CoC)

*This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received: including interference that may cause undesired operation.

**This is a Class A product based on the standard of the Voluntary Control Council for Interference (VCCI). If this equipment is used in a domestic environment, radio interference may occur, in which case the user may be required to take corrective actions.

Ordering information

SKU	Description
M500A-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-XPET-64TB	Husky M500A XProtect Expert NVR, 64TB, RAID 5/10, Rack Mounted, 0 devices Licenses
HM500A-XPETDL	Husky M500A/M550A XProtect Expert NVR Device License, including 3 years Care Plus

SKU	Description
HM550A-XPET-8TB	Husky M550A XProtect Expert NVR, 8TB, RAID 5/10, Rack Mounted, 0 devices Licenses
HM550A-XPET-16TB	Husky M550A XProtect Expert NVR, 16TB, RAID 5/10, Rack Mounted, 0 devices Licenses
HM550A-XPET-32TB	Husky M550A XProtect Expert NVR, 32TB, RAID 5/10, Rack Mounted, 0 devices Licenses
HM550A-XPET-48TB	Husky M550A XProtect Expert NVR, 48TB, RAID 5/10, Rack Mounted, 0 devices Licenses
HM550A-XPET-64TB	Husky M550A XProtect Expert NVR, 64TB, RAID 5/10, Rack Mounted, 0 devices Licenses
HM500A-XPETDL	Husky M500A/M550A XProtect Expert NVR Device License, including 3 years Care Plus

Milestone Husky M500A/M550A includes three years Milestone Care Plus coverage for XProtect Expert. Milestone also offers optional Care Premium technical support services for Husky M500A/M550A.

Milestone Systems HQ, DK: Tel: +45 88 300 300
 Milestone Systems US: Tel: +1 503 350 1100
 Milestone Systems Canada: Tel: +1 503 350 1132

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.

General inquiries: info@milestonesys.com

Sales inquiries: sales@milestonesys.com