

A Milestone System Builder Tailored Solution Debut By Promise

A new architecture for hardware and infrastructure platforms. It allows us to design/build/ship hardware with pre-installed Milestone XProtect VMS required software package, and extend our market reach to scale out the adoption of latest Promise video technology platforms

Promise Technology and Milestone have partnered to develop joint solutions for middle market that are proven to work optimally across hardware and software, with a complement of services. The industry-leading combination of Promise Vess Series for Milestone innovative video technology accelerates faster decision making by giving partners and clients the ability to rapidly deployment and achieve faster time-to-value across solutions, while significantly reducing total cost of ownership (TCO)

Faster. Better. Stabler. Simpler.

- **Optimized for speed**

The solution allows you to streamline common tasks and manage your recording environment more effectively.

- **Purpose-built for efficiency**

Promise Intelligent Vess A Series with Milestone brilliant VMS provides more reliable and predictable performance with robust systems that are purpose-built and optimized for recording environment with high availability and enterprise data protection features.

- **Built-in simplicity**

The joint solution of Promise and Milestone reduces complexity and simplifies manageability, and letting clients stay focused on driving business value.

- **Joint Verification with Milestone**

The outstanding performance provided by Promise Vess A series system has been verified and qualified by both Milestone's and Promise's technical team to make sure the performance is there and real.



Bringing Innovation To The Middle Market

Essence of System Builder Program

By preloading Milestone XProtect software package on Promise Vess A-Series. The well-rounded platform gives you instant access to huge volumes of video data as it is accumulated, without complex layers of data management and storage getting in the way. This calls for an optimized environment that can scale performance, manage data efficiently, as well as operate reliably while saving costs, in a holistic, solution-based manner.



PROMISE SMARTBOOST™ Technology

- Optimized Read/Write for Playback/Recording
- Stabilized Recording when RAID is Critical/Rebuilding.
- Predictive Read for Playback.
- Service Continuity.
- Minimize CPU usage for Storage.



Industry's Highest Performing Appliance



- Reduced hardware cost
- Reduced operations & maintenance cost

Ease of Installation & Management



- Reduced installation & operational costs
- Ability to seamlessly grow the solution

High solution flexibility



- Ability to meet specific customer needs
- Wider set of integration possibilities via MIP

High cyber security



- Increased protection against internal and external cyber security threats

Covering from 1U- 4U, Small-Medium-Large size of your various surveillance projects.



Technical Specifications



Vess A3120

Model

General Information			
Camera Range ¹	80	Form Factor	1U, 19" Rackmount
Number Of Drives	4 Drives (3.5")	Drive Type	6Gbs SATA @ 3.5"
# of Controllers	Single	System Processor	Intel® Core™ i3-7101E
System Memory	8GB x 2 Default (Max 32GB)	I/O Interface	2 x Gigabit Ethernet
Internal Storage (M.2)	128GB	Storage Expansion	Optional Vess SAS and iSCSI Storage
Max # of HDDs Supported	Up to 112 drives through iSCSI/SAS JBOD expansion		
Other Interfaces			
# of USB Ports	5 x USB 3.0, 2 x USB 2.0	PCI Express Ports	1 x 8-lane Gen3
Graphics	1 x VGA, 1x HDMI, 1x Display Port	Serial Interfaces	1 x Serial Port
Audio I/O	3 x 3.5mm Audio Jack and SPDIF		
RAID Operational Feature			
RAID Levels	0, 1, 1E, 3, 5, 6, 10, Any combination can exist at the same time	Max. LUNs per System/Array	256/32
Hot Spares	Multiple global or dedicated hot-spare drives with revertible option		
Software			
OS Supported (64-bit)	Windows 10,	Event Notification	Email, SNMP, Buzzer, LEDs
Management Tools	Graphical UI/SNMP via Ethernet, CLI/CLU via Ethernet or Graphics, OPAS Service via USB, SDK or API for Integration		
Appliance Mode	Surveillance Optimization @ Arrays in Normal and Degrad		
System Information			
AC Input	100 ~ 240 VAC, 47 ~ 63Hz	Current (Maximum)	7A
Power Supply	350W Single ATX	Temperature	5° ~ 40°C (-40° ~ 60°C non-operational)
Dimensions (H x W x D)	44.2 x 446.4 x 398 mm	Weight	System W/O HDD: 6.48 kg / System W/ HDD: 9.16 kg
Safety/EMI	CE, FCC, VCCI, RCM,(EMI Class A), cULus		
Warranty and Support			
Warranty	3 year limited warranty	Optional Accessories	Sliding Rail, 4/8/16 GB DDR Memory

¹The ideal camera ranges is verified by Milestone Verification Team following Milestone criteria

*The final spec may vary without further notice, please check with Promise website for the latest information



Vess A3340s



Vess A3340d

Model

Camera Range ¹	Up to 110	Form Factor	2U, 19" Rackmount
Number Of Drives	8 Drives (3.5")	Drive Type	SATA
# of PSU	Vess A3340s: Single / Vess A3340d: Dual	System Memory	16GB DDR4 (Max. to 32GB)
System Processor	Intel® Xeon® E3	I/O Interface	2 x Gigabit Ethernet
Internal Built-in Storage for OS	M.2 128GB	Storage Expansion	iSCSI
Max # of HDDs Supported	Up to 112 drives through iSCSI & JBOD expansion		
Other Interfaces			
# of USB Ports	6x USB 3.0, 2x USB 2.0	PCI Express Ports	1 x PCIe 3.0 x 8 / 1 x PCIe 3.0 x 4
Graphics	D-sub, HDMI and Display Port	Serial Interfaces	1x RS-232
Audio & Microphone	3x 3.5mm Audio Jack + SPDIF		
RAID Operational Features			
RAID Levels	0, 1, 1E, 3, 5, 6, 10 (0+1), 30, 50; Any Combination can exist at the same time		
Hot Spares	Multiple global or dedicated hot-spare drives with revertible option		
Max. LUNs per System/Array	256/32		
Software			
OS Supported (64-bit)	Windows 10, WS2016	SMARTBOOST™ Technologies	SMARTBOOST™ Storage/Video
Management Tools	Graphical UI/SNMP via Ethernet, CLI/CLU via Ethernet or Graphics, OPAS Service via USB, SDK or API for Integration		
Event Notification	Email, SNMP, Buzzer, LEDs		
System Information			
AC Input	100 ~ 240 VAC, 60 ~ 50Hz	Current (Maximum)	1A - 2A
Power Consumption	250W	BTU	853.25 BTU/h
Power Supply	350W per Power Supply	Fan	Redundant
Temperature	5° ~ 40°C (-40° ~ 60°C non-operational)		Dimensions (H x W x D)
Safety/EMI	FCC/CE/VCCI/RCM/BSMI/UL/cUL/Nemko		
Weight	Vess A3340s: 7.38kg (16.23 lbs) w/o drives / 12.9kg (28.38 lbs) w/drives Vess A3340d: 9.24kg (20.37 lbs) w/o drives 14.6kg (32.19lbs) w/drives		
Warranty and Support			
Warranty	3 year limited warranty	Optional Accessories	Sliding Rail, 2/4/8/16GB DDR Memory

¹The camera ranges is verified by Milestone Verification Team following Milestone criteria

Technical Specifications



Vess A6600



Vess A6800

Model

General Information		
Camera Range ¹	135	150
Form Factor	3U, 19" Rackmount	4U, 19" Rackmount
Number Of Drives	16 Drives (3.5")	24 Drives (3.5")
Drive Type	12Gbs SAS/ 6Gbs SATA @ 3.5", SSD capable @2.5", Hot Swappable	
# of Controllers	Single	
System Processor	Intel Xeon E3-1275v5	Intel® Core™ i7-7700
System Memory	8GB x 2 Default (Max 64GB)	
I/O Interface	2x Gigabit Ethernet	
Internal Storage (M.2)	128GB	
Storage Expansion	Optional Promise SAS and iSCSI Storage	
Max # of HDDs Supported	Up to 96 drives through SAS JBOD expansion(iSCSI optional)	Up to 104 drives through SAS JBOD expansion(iSCSI optional)
Other Interfaces		
# of USB Ports	4x USB 3.0, 2x USB 2.0	
PCI Express Ports	1x8-lane gen3	
Graphics	D-sub x 1, DVI x 1, HDMI x 1	
Microphone	5x 3.5 mm + 1xSPDIF Audio Jack	
RAID Operational Feature		
RAID Levels	0, 1, 1E, 3, 5, 6, 10 (0+1), 30, 50, 60. Any combination can exist at the same time	
Hot Spares	Multiple global or dedicated hot-spare drives with revertible option	
Max. LUNs per System/Array	256/32	
Software		
OS Supported (64-bit)	Windows 10, WS 2016	
Management Tools	Graphical UI/SNMP via Ethernet, CLI via Ethernet or Graphics, OPAS Service via USB, SDK or API for Integration	
Appliance Mode	Surveillance Optimization @ Arrays in Normal and Degraded	
Event Notification	Email, SNMP, Buzzer, LEDs	
System Information		
AC Input	100 ~ 240 VAC, 60 ~ 50Hz	
Current (Maximum)	8-4A	
Power Supply	Redundant 550W for each power, Hot swappable N+1 Design (80 PLUS certified)	
Controller	Replaceable FRU design	
Temperature	5° ~ 40°C (-40° ~ 60°C non-operational)	
Dimensions (H x W x D)	131 x 503 x 447 mm (5.1 x 19.8 x 17.6 in)	173 x 503 x 447 mm (6.8 x 19.8 x 17.6 in)
Weight	System W/O HDD: 16.11kg System W/ HDD: 26.84kg	System W/O HDD: 19.26 kg System W/ HDD: 35.36 kg
Safety/EMI	CE, FCC, VCCI, RCM, BSMI, KC, (EMI Class A), CB ³ , cTUVus ⁴	
Warranty and Support		
Warranty	3 year limited warranty ⁵	
Optional Accessories	Sliding Rail, 4/8/16 GB DDR4 Memory	

¹ The camera ranges is verified by Milestone Verification Team following Milestone criteria

² For 2.5" SSD/HDD it will need to use different optional carriers.

³ CB Report is tested according to IEC/EN 60950-1 and IEC/EN 62368-1

⁴ cTUVus label marking is tested according to UL 62368-1 and CAN/CSA-C22.2 NO. 62368-1.

⁵ Available to purchase the extra 2 years warranty to total 5 years warranty.

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