

# Vess A6120 Series

Management, Analytics and Recording Servers

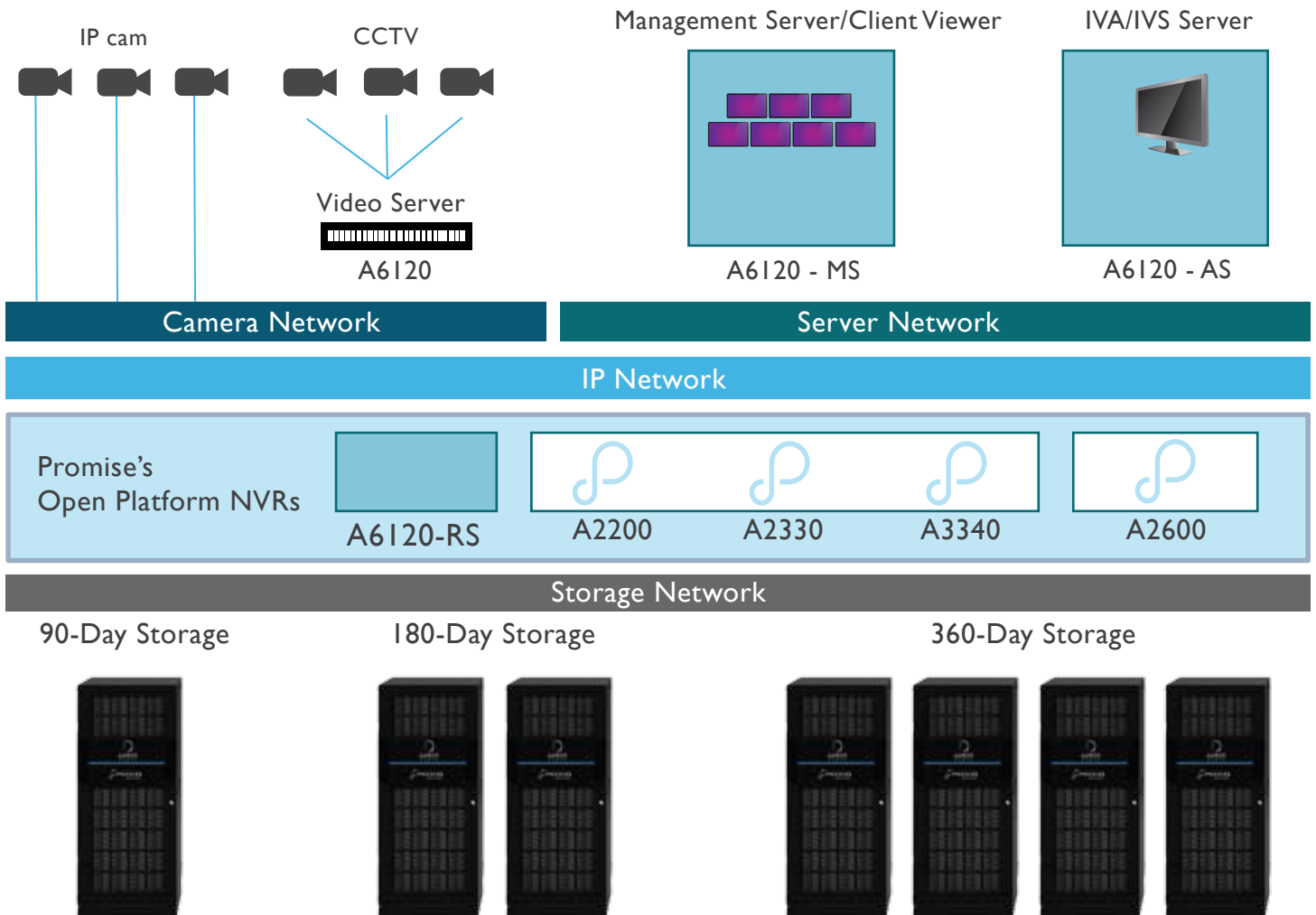


The Vess A6120 series is designed as building blocks for the deployment of a video surveillance system. Vess A-Series NVR appliances are open platform solutions that can be deployed with any of the leading IP cameras, video management software (VMS) and central management software (CMS) for installations of any size. Reliable and easy to set up, Vess A6120 is the ideal server appliance for establishing a complete surveillance system.

Vess A6120 are 1U 4-bay rackmount solutions offering easy expandability through Promise external storage units. They are perfect for up to 60 IP cameras without extra storage, and with larger scale-out storage Vess A6120 can support up to 200 cameras.

There are three main specifications for the Vess A6120 series that can be deployed based on the needs of your project:

- **Vess Black (A6120-MS)** - designed for managing the whole surveillance system
- **Vess Orange (A6120-AS)** - designed for running intelligent video analytics
- **Vess Blue (A6120-RS)** - designed for general recording purposes



Vess Black is equipped with 1 Intel Xeon® E5-2620 v4 CPU plus 8GB RAM (expandable to 128GB). It is the best choice for running CMS and managing the whole surveillance system.



Vess Orange is equipped with 2 Intel Xeon® E5-2620 v4 CPUs plus 16GB RAM (expandable to 128GB). It is suitable for analyzing huge amounts of video data.



Vess Blue is available with 1 Intel Xeon® E5-2603 v4 CPU plus 8GB RAM (expandable up to 128GB). It meets the demands for a recording server inside the whole system.



## Product Specifications

Model	Vess Orange	Vess Black	Vess Blue
Product Image			
Model Name	A6120-AS	A6120-MS	A6120-RS
Form Factor	1U	1U	1U
Processor	2 x Intel Xeon E5-2620 v4	1 x Intel Xeon E5-2620 v4	1 x Intel Xeon E5-2603 v4
Memory	16/32GB DDR4 ECC	8GB DDR4 ECC	8GB DDR4 ECC
Internal Storage	M.2 64G	M.2 64G	M.2 64G
SSD	0/2 (optional)	N/A	N/A
HDD	4 x 3.5" SATA (SAS optional)	4 x 3.5" SATA (SAS optional)	4 x 3.5" SATA (SAS optional)
Storage Expansion	iSCSI and JBOD	iSCSI and JBOD	iSCSI and JBOD
Max# of HDD Supported	Up to 112 HDDs thru iSCSI & JBOD	Up to 112 HDDs thru iSCSI & JBOD	Up to 112 HDDs thru iSCSI & JBOD
RAID Levels	0,1,1E,3,5,6,10(0+1), 30,50,60	0,1,1E,3,5,6,10(0+1), 30,50,60	0,1,1E,3,5,6,10(0+1), 30,50,60
RAID Stripe Size	64K, 128K, 256K, 512K and 1MB	64K, 128K, 256K, 512K and 1MB	4K, 128K, 256K, 512K and 1MB
Max LUNs	256 logical drives per controller	256 logical drives per controller	256 logical drives per controller
Networking	1GbE x 4	1GbE x 2	1GbE x 2
Optional Add-on Card*	A. 2-port 1G Base-T B. 2-port 10G Base-T C. 2-port 10G SFP+ D. SAS Expansion Card E. Extension RAID Board F. Graphic Card G. 4-port 1G Base-T		
Power Supply	Dual 650W Platinum	Dual 650W Platinum	Dual 650W Platinum
System Cooling	5 swappable fans	5 swappable fans	5 swappable fans
Preloaded OS	Windows Server 2012R2 Standard		Windows 10
Management Tools	GUI/SNMP via Ethernet/CLI&CLU via Ethernet or Graphics/OPAS Service via USB/SDK or API for integration		
Dimension	710mm x 430mm x 43.5mm	710mm x 430mm x 43.5mm	710mm x 430mm x 43.5mm
Safety Certification	FCC/CE/VCCI/RCM/BSMI/CB/KCC		
Warranty	3-year Limited Warranty		
Accessories	Sliding Rail, 8GB DDR4 ECC Memory	Sliding Rail, 8GB DDR4 ECC Memory	Sliding Rail, 8GB DDR4 ECC Memory

\*Promise prepares a set of add-on cards for customers to choose, offering great flexibility for customizing the platform for various kinds of projects. For all possible integration possibilities, please check the Vess A6120 Quick Start Guide or the Product Manual for more information.

