



ApplianceStor 75R

High-Performance Video Surveillance Appliance

High-performance VMS Storage Server with dual CPU, dual power supply, and optional Viewing capability is ideally suited for small to medium video surveillance locations with up to 128 Megapixel Cameras (with PS5000)*

Features

Optimized

Designed and optimized for the video surveillance market. It delivers the performance required for the most demanding megapixel installations.

Open

Purpose-built open platform to integrate Video Management Software. All major supported OS and VMS providers are prequalified. More are continually added to ensure the widest possible certification coverage.

Video Surveillance Class

Video Surveillance class drives are designed for video storage to deliver reliable 24x7 operations and optimized for low-power consumption, quiet operation, smooth video streaming, high reliability and high capacity. Ensuring the highest video storage performance, enterprise-class reliability and availability in an efficient solution.

Viewing and Monitoring

The AS75R ships standard with HD graphics, delivering HD viewing capability while eliminating the complexity and cost for a separate video viewing and monitoring server.

Simple

The ApplianceStor75 Rack mount integrates VMS (Video Management Software) and storage into a simple to use, high-performance video surveillance storage server solution. This eliminates the cost of a separate VMS server, significantly reducing cabling as well as the nightmare of integrating VMS, OS, commodity server and storage. Performance is guaranteed with all major VMS solutions prequalified on the AS75R. It is easy to install and maintain.

Powerful

The AS75R is a powerful server and storage system, built around dual high-performance Intel® Xeon® E5-2620v4 eight core processors with 2.1 GHz clock speeds and 16 GB DDR4 2400 MHz ECC memory. The AS75R offers high performance and bandwidth connectivity to meet the requirements of the most demanding megapixel camera applications. The AS75R has unmatched LAN connectivity with four GbE ports and an additional port that is dedicated to management for a total of five GbE LAN ports. With the AS75R video surveillance appliance's flexible LAN connectivity and its impressive power, it can meet the requirements of the most demanding megapixel camera applications.

Reliable

Disk drive failure is the number one cause of lost video storage and downtime. Advanced RAID 5 technologies eliminate the loss of video due to a disk failure. Disk drives are hot swappable without interruption in service or loss of data. The AS75R only uses ECC RAM and guarantees that video being stored, read, and moved within is always correct. It uses a parity bit to accomplish the data protection. Most NVRs and DVRs are not protected to this level and with these products crucial video can be lost. The AS75R gives peace of mind that the video is always reliably stored.

Right Size

Designed for smaller megapixel deployments. It is offered in 16, 24, 32, 40, 48, and 56 TB versions with standard 2x120GB SSD OS drives in RAID 1. The AS75R matches the perfect storage capacity with exceptional performance to ensure optimal, cost-effective, and dependable video storage. If expansions are required, the AS75R can be used in conjunction with the PS5000, allowing capacity to grow up 1512 TB.

More Features

Upgradable

Additional RAM can be added, allowing up to 64GB RAM to be used.

Easy

The AS75R delivers effortless installation, management and administration. All administration functions assume technicians have basic to no storage knowledge. Once installed in a rack, setup takes 15 minutes or less.

Hot-swappable

The AS75R features four 3.5" hot-swappable SATA drives and power supplies for easy installation and maintenance.

Manageable

Very easy to manage with optional remote management. Web-based, GUI-driven iKVM upgrade kit provides full control of server functions with dedicated hotkeys and remote server screen. Virtual media-over-LAN helps share local devices with target servers, enabling fast troubleshooting.

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Specifications

Core Technology	
CPU Type	Dual Intel Xeon E5-2620 v4 Broadwell (2.1Ghz)
Socket	2 x Socket LGA2011-3
Core Logic	Intel® C612 PCH Chipset
Bench Mark/Clock speed	19377/2.1 GHz
Memory size	16GB (expandable up to 64GB)
Memory type	DDR4 2400 ECC RDIMM
Video Storage Performance	Up to 120Mbps /15MBps internal and 720Mbps / 90MBps with PS5000
Expansion	
Expansion Slot	1 (only available on the non-RAID recording server model)
Slot Type	1x PCI-E x16
Storage	
HDD Bays	4 x Hot-swap 3.5"
Drive support	4, 6, 8, 10, 12, and 14TB SATA III Video Class
	SSD for OS
RAID	5, 10
Removable Storage	1 x Slim-type Optical DVD-RW
Networking	
Data Ports	4 x GbE (Intel® I210AT)
Management	1 x GbE (Realtek RTL8211E)
Display Outputs	
Onboard Graphic	ASPEED AST2400 with 16MB VRAM
Optional HD Graphic	HD 7750 1 GB DDR3 plus mDP, 2x HDMI (DVI and VGA via adapters) (not available with all configurations)
Opt Graphic performance	1631
Max Supported Resolution	DVI - 1920x1200 @ 60Hz
	HDMI - 4096x2160 @ 24Hz
	mDP - 4096x2160 @ 60 Hz
I/O Ports	
	2 x USB 2.0 (front) and 2 x USB 3.0 (rear)
	1 x D-Sub (1x rear)
	1x Serial Port (rear)
Compliance	
Safety	US/Canada (UL1950-CSA950)
	Europe (CE, EN55022 compliance to EU Directive 89/366/EEC& TUV)
EMI	US (FCC, CFR47 Part 15, Class A)
	Europe (CE, EN55022 class A & EN55024)
	Australia (C-TICK), Taiwan (BSMI)
Physical Characteristics	
Dimensions (in./mm)	26" x 16.9" x 1.7" / 660 x 430 x 43.5
Weight	42lbs./19Kg 26" x 16.9" x 1.7" / 660 x 430 x 43.5
Power	
Voltage	100 - 240 V _{AC} Dual redundant 1+1
Watts	650 W 80 PLUS Gold 100 - 240 V _{AC}
Operating Environment	
Operating temperature	10°C ~ 35°C
Non-operating temperature	-40°C ~ 70°C
Humidity	20% ~ 90% (Non-condensing)
Operating altitude	0 to 10,000'0 to 3000m 20% ~ 90%

* Maximum camera support is calculated using 2MP HD cameras using H.264 at 15fps. 64 cameras without PS5000 and 128 cameras maximum with PS5000