



ApplianceStor 95R

High-Performance Video Surveillance Appliance

Mid-level VMS Storage Server with data protection, dual power supply, and optional Viewing capability is ideal suited for medium video surveillance locations with up to 256 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 OS and VMS providers are prequalified. More are continually added to ensure the widest possible certification coverage.

Video Class

Video class drives are designed for video storage to deliver reliable 24x7 operation and optimized for power consumption, quiet operation, and video streaming while having high reliability and capacity. This ensures the highest video storage performance, enterprise-class reliability and availability in an efficient solution.

Viewing and Monitoring

The AS95R 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 ApplianceStor 95R 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 AS95R. It is easy to install and maintain.

Powerful

The AS95R is a powerful server and storage system built around dual high-performance Intel® Xeon® E5-2620v4 eight cores 16 threads processors with 2.1 GHz clock speed and 16 GB of DDR4 2400 MHz ECC memory. The AS95R offers high performance and bandwidth connectivity to meet the most demanding megapixel camera applications. The AS95R has unmatched LAN connectivity with four GbE ports. An additional port is dedicated to management for a total of five GbE LAN ports. The AS95R has the performance and reliability for the most demanding deployments.

Reliable

Disk drive failure is the number one cause of lost video storage and downtime. We offer advanced RAID 5 technologies, eliminating loss of video due to a disk failure. Disk drives are hot swappable without interruption in service or loss of data. The AS95R eliminates failure caused by power supply with dual redundant power supplies. Additionally, the AS95R uses ECC RAM, guaranteeing that video being stored is always correct during reads and writes. A parity bit is used for data protection. Most NVRs and DVRs are not protected to this level and critical video can be lost. The AS95R gives peace of mind that the video is always reliably being stored.

Right Size

Designed for medium megapixel deployments; it is offered in 48, 72, 96, 120, 144, and 168TB versions with standard 2x 240GB SSD OS drives in RAID 1. The AS95R matches the perfect storage capacity with exceptional performance to ensure optimal, cost effective, and dependable video storage. If future expansion is required, the AS95R can be used in conjunction with the PS5000, allowing capacity to grow up to 1.2 PB.

* Maximum camera supported is calculated using 2MP HD cameras using H.264 at 15fps. 128 cameras without PS5000 and 256 cameras maximum with PS5000.

More Features

Upgradable

AS95R provides an expansion slot for future upgrades. The PCI-E slot supports three low profile cards. Additional RAM can be added and this will allow up to 32GB RAM to be used.

Easy

The AS95R 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 AS95R features 12 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 (2.1 GHz)
Socket	2 x Socket 2011 v3
Core Logic	Intel® C612 PCH Chipset
Bench Mark/Clock speed	17063/2.1GHz
Memory size	16 GB (expandable up to 32GB)
Memory type	DDR4 2400 ECC RDIMM
Video Storage Performance	Up to 240Mbps / 30MBps internal and 720Mbps 90MBps with PS5000
Expansion	
Expansion Slot	3 (Low Profile)
Slot Type	3 x PCI-E 3.0 x16 2 x PCI-E 3.0 x 8
Storage	
HDD Bays	12 x Hot-swap 3.5"
Drive support	4, 6, 8, 10, 12 & 14TB SATA III Video Class 2x 240 SSD
RAID levels	5, 6, and 10 (default RAID 5)
Networking	
Data Ports	4 x GbE (Intel® I210AT)
Management Port	1 x GbE
Display Outputs	
Onboard graphics	ASPEED AST2400 with 16MB VRAM
Standard HD Graphic	HD 7750 1 GB DDR3 mDP, 2x HDMI (DVI and VGA via adapters)
Std. Graphic performance	1631
Max Supported Resolution	DVI - 1920x1200 @ 60Hz HDMI - 4096x2160 @ 24Hz mDP - 4096x2160 @ 60 Hz
I/O Ports	
	1 x USB 3.0 (front), 2 x USB 3.0(rear), 2xUSB 2.0 (rear)
	1 x VGA (rear)
	1 x Serial Port (rear), PS2 Keyboard and mouse
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)	25.4" x 19" x 3.5" / 645 x 483 x 88 (with ears)
Weight	66lbs./30Kg
Power	
Voltage	Dual redundant 1+1 100 - 240 V _{AC}
Watts	620 W 80 PLUS
Operating Environment	
Operation temperature	Designed for 24x7x365 Operation 10°C ~ 35°C
Non-operation temperature	-40°C ~ 70°C
Humidity:	20% ~ 90% (Non-condensing)
Operating altitude	0 to 10,000' / 0 to 3000m