



ApplianceStor AS84R

High Performance Video Surveillance Appliance

High Density VMS Storage Server with 4 high performance, Dual CPU server modules, dual power supply is ideally suited for large Video Surveillance locations with up to 256 Megapixel per blade (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. We have prequalified all major OS and VMS providers. We continually add more to ensure the widest possible certification coverage.

SSD Drives

Designed for 24/7/365 operation. We use SSD drive technology to provide the performance and reliability needed for the most demanding video surveillance deployments.

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.

High Density Performance

The ApplianceStor 84R is a modular server system which four high performance server modules in a single 2U rack mount platform providing unmatched performance and density. Each module can be used to integrate VMS (Video Management Software), failover, archive, administration and access control servers in a single high density system. The AS84R is ideally suited to be used in conjunction with the PS5000 to provide a simple to use, high performance and capacity video surveillance storage and server solution. This significantly reduces the cost over a separate VMS server as well as the cabling and nightmare of integrating VMS, OS, commodity server and storage. The AS84R is prequalified and provides guaranteed performance with all major VMS solutions.

Powerful

The AS84R packs four powerful server modules into single 2U system. Each module is built around two high performance Intel® Broadwell Xeon® E5-2603v4 hex-core server class processors with 1.7GHz clock speeds and DDR4 1866MHz ECC memory. Each AS84R module offers high performance and bandwidth connectivity to meet the requirements of the most demanding megapixel camera applications. Each AS84R server module delivers unmatched LAN connectivity with three GbE ports and an additional port that is dedicated to management for a total of four GbE LAN ports. Optionally, the data LAN ports can be increased to six GbE ports per blade.

Reliable

The AS84R provides dual, redundant power supplies. It uses ECC RAM, guaranteeing that video being stored, read, and transferred 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.

Right Size

The AS84R is designed for large megapixel deployments and perfectly matched with the high capacity and performance PS5000 IP Storage system. The AS84R when used with PS5000, can scale capacity up to 4.3PB. The AS84R provides unmatched performance density to ensure optimal, cost effective, and dependable video storage.

More Features

Powerful compact design



Packs four high performance enterprise class servers into a single 2U rack mountable chassis. It offers market leading density and performance to deliver a unique, compact video surveillance solution.

Expandable

AS84R provides an expansion slot for future expansion. Additional RAM can be added, up to a maximum of 32GB.

Easy

The AS84R delivers effortless installation, management and administration. All administration functions assume technicians have basic to no storage knowledge. Once racked, setup time should be 15 minutes or less

Hot-swappable

The AS84R features three hot-swappable SATA SSD drives and power supplies for easy installation and maintenance.

For More Information Contact:

Rasilient Systems, Inc.
3281 Kifer Road
Santa Clara, CA 95051
Tel: +1 (408) 730-2568
Toll Free +1 (888) 902-8981

General Information:
info@rasilient.com

Sales:
Sales@rasilient.com

Technical Support:
techsupport@rasilient.com
Website: www.rasilient.com

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Specifications

Module Core Technology	
CPU Type	Dual Intel Xeon E5-2603 v4 Broadwell (1.7Ghz)
Socket	LGA2011-3
Core Logic	Intel® C612 PCH Chipset
Bench Mark/Clock speed	8809 /1.7GHz (Dual CPU)
Memory size	16GB per blade (expandable up to 32GB per blade)
Memory type	DDR4 1866ECC RDIMM
Expansion	
Expansion Slot :	1
Slot Type:	1 x PCI-e x16 (Gen3 x16 Link) (Low profile/HL)
System Storage	
HDD Bays	12 x Hot-swap 3.5" (3 HD per module)
Drive support	120, 240, 480, 960 GB SSD
RAID	5, 6
Networking	
Data Ports	3 x GbE Intel® I210AT / blade
Optional data ports increase to:	4x GbE or 6xGbE / blade
Management Port	1 x GbE /blade
Display Outputs	
On board graphics	Aspeed AST2400 with 32MB VRAM
I/O Ports	
	2 x USB 3.0 ports
	1 x VGA port
Management Solution	
	Remote KVM-iKVM for KVM-over-IP support
	ASWM Enterprise
Compliance	
Safety	US/Canada (UL1950-CSA950)
	Europe (CE, EN55022 compliance to EU Directive 89/366/EEC)
	Europe (TUV)
EMI	US (FCC, CFR47 Part 15, Class A)
	Europe (CE, EN55022 & EN55024)
	Australia (C-TICK)
	Taiwan (BSMI)
Physical Characteristics	
Dimensions (in./mm)	28.7" x 17.3" x 3.4" 729 x 439.4 x 87
Weight	63.9lbs./29Kg
Power	Dual redundant 1+1
Voltage	110/220V AC
Watts	1 + 1 Redundant 1620W 80Plus Platinum. 1000W: 100-120Vac, 12-10A, 50-60Hz 1200W: 100-140Vac, 12-10A, 50-60Hz 1620W: 180-240Vac, 10.5-8A, 50-60Hz
Operating Environment	
Operation temperature	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

* Maximum camera support is calculated using 2MP HD cameras using H.264 at 15fps,