rasilient | built for surveillance

ApplianceStor 80AR
High Performance Video Surveillance Appliance

High Density VMS Storage Server with 4 high performance server modules, dual power supply is ideally suited for large Video Surveillance locations with up to 256 megapixel cameras *

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. It uses 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 80AR 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 AS80AR is ideally suited to be used in conjunction with the PS5000to 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 AS80AR is prequalified and provides guaranteed performance with all major VMS solutions.

Powerful
The AS80AR packs four powerful server modules into single 2U system. Each module is built around the high performance Intel® Haswell Xeon® E3-1231V3 quad-core server class processors with up to 3.8GHz clock speeds and fast 1600MHz ECC DDR3 memory. Each AS80AR module offers high performance and bandwidth connectivity to meet the requirements of the most demanding megapixel camera applications.EachAS80ARserver module delivers unmatched LAN connectivity with three GbE ports. One of the ports is shared for data and management.

Reliable
The AS80ARstandardizes dual, redundant power supplies. It only uses ECC RAM, guaranteeing that video being stored read and move 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.

Right Size
The AS80AR is designed for large megapixel deployments and perfectly pairs with the PS5000 IP storage system. The AS80AR, when used with the PS5000 can scale up to 4.3 PB. The AS80AR provides unmatched performance density to ensure optimal cost and dependable video storage.

More Features

Powerful compact design

Packs up to 4 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

AS80AR provides an expansion slot for future expansion. Additional RAM can be added, allowing up to 64 GB RAM to be used.

Easy

The AS80ARdelivers 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 AS80AR features four 2.5" hot-swappable 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

Specifications

Module Core Technology	
CPU Type	Intel Haswell Xeon® E3-1231V3
Socket	LGA1150
Core Logic	Intel® C226 Chipset
Bench Mark/Clock speed	9621 @3.4GHz
Memory size	8GB per blade(expandable up to 64GB per blade)
Memory type	DDR3 1600 ECC UDIMM
Expansion	
Expansion Slot :	1
Slot Type:	1x PCI-E x16 (Gen3 x16 Link) (Low profile/HL)
System Storage	
HDD Bays	16 x Hot-swap 2.5" (4 bays per module)
RAID	5, 6
Networking	
Data Ports	3x GbE (Intel® I350-AM2)
Optional Management ports	1 x GbE
Display Outputs	up to 4
On board Graphic	Aspeed AST2150 with 16MB VRAM
Optional HD Graphics	HD 7750 1 GB DDR3 plus mDP, DVI, HDMI and VGA
Opt Graphics performance	1631
Max Supported Resolution	DVI - 1920x1200 @ 60Hz
	HDMI - 4096x2160 @ 24Hz
	mDP - 4096x2160 @ 60 Hz
I/O Ports	1 x External Serial Port
	4 x USB 2.0 ports Support 2.0 (2x front/2x rear)
	1 x Internal A Type USB Port
	1 x VGA port
Management Solution	Remote KVM-iKVM for KVM-over-IP support
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	Designed for 24x7x365 Operation
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	800W 80PLUS Platinum
Operating Environment	Designed for 24x7x365 Operation
Operation temperature	10℃ ~ 35℃
Non operation temperature	-40℃ ~ 70℃
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, 256 cameras maximum / blade with PS5000.