



## ApplianceStor 94R

High Performance Video Surveillance Appliance

Mid level VMS Storage Server with data protection, dual power supply and optional Viewing capability is ideally 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. We have prequalified all major OS and VMS providers. We continually add more 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, 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 AS94R 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 94 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. We guarantee performance with all major VMS solutions prequalified on the AS94R. It is easy to install and maintain.

#### Powerful

The AS94R is a powerful server and storage system, built around dual high performance Next Generation Intel® Xeon® E5-2603v4 six core processors with 1.7 GHz clock speeds and 16 GB of DDR4 1866 ECC memory. The AS94R offers high performance and bandwidth connectivity to meet the requirements of the most demanding megapixel camera applications. The AS94R has unmatched LAN connectivity with four GbE ports. An additional port is dedicated to management for a total of five GbE LAN ports. With these standard features, the AS94R 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 which eliminates the loss of video due to a disk failure. Disk drives are hot swappable without interruption in service or loss of data. While the second most common failures are power supplies, the AS94R eliminates this with dual redundant power supplies. Additionally, the AS94R uses ECC RAM, guaranteeing that video being stored is always correct during reads and writes. 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 AS94R gives peace of mind that the video is always reliably being stored.

#### Right Size

Designed for medium megapixel deployments; it is offered in 24, 36, 48, 72, 96, and 120TB versions with standard 2x 120GB SSD OS drives in RAID 1. The AS94R matches the perfect storage capacity with exceptional performance to ensure optimal, cost effective, and dependable video storage. If future expansion is required, the AS94R can be used in conjunction with the PS5000, allowing capacity to grow up to 1.2 PB.

## More Features

### Upgradable

AS94R provides an expansion slot for future upgrades. The PCI-E slot supports three low profile cards. Additional RAM can be added, allowing up to 32GB RAM to be used.

### Easy

The AS94R delivers effortless installation, management and administration. All administration functions assume technicians with basic to no storage knowledge. Once installed in a rack, setup time should be 15 minutes or less.

### Hot-swappable

The AS94R 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.

#### 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](mailto:info@rasilient.com)

**Sales:** [Sales@rasilient.com](mailto:Sales@rasilient.com)

**Technical Support:**  
[techsupport@rasilient.com](mailto:techsupport@rasilient.com)

**Website:** [www.rasilient.com](http://www.rasilient.com)

Copyright © 2017 Rasilient Systems Inc. Specifications are subject to change without notice.

Rasilient and the Rasilient logo are registered trademarks of Rasilient Systems, Inc. PixelStor and PixelStorOS are trademarks or registered trademarks of RASILIENT Systems, Inc. All other names, brands, products, or services are trademarks or registered trademarks of their respective owners.

## Specifications

<b>Core Technology</b>	
CPU Type	Dual Intel Xeon E5-2603 v4 Broadwell (1.7Ghz)
Socket	2 x Socket 2011 v3
Core Logic	Intel® C612 PCH Chipset
Bench Mark/Clock speed	8809/1.7GHz
Memory size	16GB (expandable up to 32GB)
Memory type	DDR4 1866 ECC RDIMM
Video Storage Performance	Up to 240Mbps /30MBps internal and 720Mbps 90MBps with PS5000
<b>Expansion</b>	
Expansion Slot	3 (Low Profile)
Slot Type	3 x PCI-E 3.0 x16
	2 x PCI-E 3.0 x 8
<b>Storage</b>	
HDD Bays	12 x Hot-swap 3.5"
Drive support	2, 3, 4, 6, 8 & 10TB SATA III Video Class
	2x120GB SSD
RAID levels	5, 6, and 10 (default RAID 5)
<b>Networking</b>	
Data Ports	4 x GbE (Intel® I210AT)
Management Port	1 x GbE (Realtek RTL8211E)
<b>Display Outputs</b>	
Onboard Graphic	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
<b>I/O Ports</b>	
	2 x USB 2.0 (front) and 2 x USB 3.0 (rear)
	1 x D-Sub (1x rear)
	1 x Serial Port (rear)
<b>Compliance</b>	
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)
<b>Physical Characteristics</b>	
Dimensions (in./mm)	25.4" x 19" x 3.5" / 645 x 483 x 88 (with ears)
Weight	66lbs./30Kg
<b>Power</b>	
	Dual redundant 1+1
Voltage	100 - 240 V <sub>AC</sub>
Watts	800 W 80 PLUS
<b>Operating Environment</b>	
	Designed for 24x7x365 Operation
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 supported is calculated using 2MP HD cameras using H.264 at 15fps. 128 cameras without PS5000 and 256 cameras maximum with PS5000.