



## ApplianceStor 50R

### High-Performance Video Surveillance Appliance

Mid-level VMS Storage Server with data protection, optional Viewing capability and 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. 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, and video streaming while having high reliability and capacity. This ensures the highest video storage performance, enterprise-class reliability and significant system cost savings.

### Viewing and Monitoring

The AS50R ships standard with HD graphics, delivering HD viewing capability while eliminating the complexity and cost of a separate video viewing and monitoring server.

## Simple

The ApplianceStor 50 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 AS50R. It is also easy to install and maintain.

## Powerful

The AS50R is a powerful server and storage system, built around the new, high-performance Intel® Skylake Xeon® E3-1230v5 quad-core server class processor with up to 3.8GHz clock speed and fast 2133 MHz DDR4 memory. The AS50R offers high performance and bandwidth connectivity to meet the requirements of the most demanding megapixel camera applications. The AS50R has unmatched LAN connectivity with four GbE ports and an additional port that is dedicated to management for a total of five GbE ports. With these standard features, the AS50R 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. The AS50R only uses ECC RAM and it guarantees that video being stored, read, and moved within is always correct. It uses a parity bit for data protection. Most NVRs and DVRs are not protected to this level and crucial video can be lost. The AS50R gives peace of mind that the video is always reliably being stored.

## Right Size

The AS50R is designed for smaller megapixel deployments. It is offered in 8, 12, 16, 20, 24, 32 and, 40 TB versions with standard 2x 120GB SSD OS drives in RAID 1. The AS50 matches the perfect storage capacity with exceptional performance to ensure optimal, cost-effective and dependable video storage. If expansion is required, the AS50R can be used in conjunction the PS5000 allowing capacity to grow up to 1080TB.

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

## More Features

### Expandable

The AS50R provides an expansion slot for future expansion. The PCI-E slot supports full-height, half-length cards. Additional RAM can be added, allowing up to 64GB RAM to be used.

### Easy

The AS50R delivers effortless installation, management, and administration. All administration functions assume technicians have basic to no storage knowledge. Once racked, setup takes 15 minutes or less.

### Hot-swappable

The AS50R features four 3.5" hot-swappable SATA drives 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:

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## Specifications

<b>Core Technology</b>	
CPU Type	Intel Skylake Xeon® E3-1230v5
Socket	LGA1151
Core Logic	Intel® C232 Chipset
Bench Mark/Clock speed	9540/3.4 GHz
Memory size	8GB (optional expansion up to 64GB)
Memory type	DDR4 2133 ECC UDIMM
Video Storage Performance	Up to 120Mbps / 15MBps internal and 720Mbps /90MBps with PS5000
<b>Expansion</b>	
Expansion Slot:	2
Slot Type:	1xPCI-E x16 (Gen3 x8 link) (Full-Height/HL) 1xPCI-E x8 (Gen3 x4 link) (Full-Height/HL)
<b>Storage</b>	
HDD Bays	4 x Hot-swap 3.5"
Drive support	2, 3, 4, 6, 8, and 10TB SATA III Video Class
	2 x 120 GB SSD
RAID	5, 10
Removable Storage	1 x Slim-type Optical DVD-RW
<b>Networking</b>	
Data Ports	4 x GbE (Intel® I210AT)
Management Port	1 x GbE
<b>Display Outputs</b>	
Standard HD Graphics	3 HD ports HD 7750 1 GB DDR3 mDP, 2x HDMI (DVI and VGA via adapters). Not for Viewing
Graphics performance	1631
Max Supported Resolution	DVI - 1920x1200 @ 60Hz HDMI - 4096x2160 @ 24Hz mDP - 4096x2160 @ 60 Hz
<b>I/O Ports</b>	
	1 x External Serial Port
	4 x USB 3.0 ports (Front x 2, Rear x 2)
	2 x USB 2.0 ports (Rear)
	2 x VGA port (1x front and 1x rear) (disabled with graphics card)
	1 x PS/2 combined keyboard & mouse port
<b>Management Solution</b>	
	Remote KVM-iKVM for KVM-over-IP support
	ASWM Enterprise
<b>Compliance</b>	
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 class A & EN55024) Australia (C-TICK), Taiwan (BSMI)
<b>Physical Characteristics</b>	
Dimensions (in./mm)	24.2" x 17.5" x 1.7" 615 x 444 x 43.4
Weight	33lbs./15Kg
<b>Power</b>	
Power	Single
Voltage	110/220V AC
Watts	400W 80PLUS Gold
<b>Operating Environment</b>	
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