



ApplianceStor 50T

Performance Video Surveillance Storage Appliance

Entry level VMS Storage Server with optional Viewing capability is ideally suited for smaller locations with less than 32 Megapixel Cameras Video surveillance deployments *

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 a significant system cost savings.

Viewing and Monitoring

It ships standard with VGA graphics for product administration and configuration. The HD video option delivers HD viewing capability while eliminating the complexity and cost for a separate video viewing and monitoring server.

Simple

The ApplianceStor 50 Tower integrates VMS (Video Management Software) and storage into a simple to use, high performance video surveillance storage server solution. AS50T comes standard prebuilt and preconfigured with the OS installed and tested. Most popular VMS's can also be preinstalled on request. Guaranteed performance with all major VMS solutions prequalified on the AS30T. It is also easy to install and maintain.

Powerful

The AS50T 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 ECC DDR4 memory. The AS50T offers high performance and bandwidth connectivity to meet the requirements of the most demanding megapixel camera applications. The AS50T has unmatched LAN connectivity with four GbE ports and an additional port that can be dedicated to management for a total of five GbE LAN ports. With these standard features, the AS50T 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 AS50T only uses ECC RAM and it guarantees that video being stored read and moved 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. The AS50T gives peace of mind that the video is always reliably being stored.

Right Size

The AS50T is designed for smaller megapixel deployments; it is offered in 8, 12, 16, 20, 24, 32, and 40 TB versions. The AS50T matches the perfect storage capacity with exceptional performance to ensure optimal and cost effective video storage.

More Features

Expandable

AS50T 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 16GB RAM to be used.

Easy

The AS50T 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 AS50T 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.

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Specifications

Core Technology	
CPU Type	Intel Skylake Xeon® E3-1230v5
Socket	LGA1151
Core Logic	Intel® C236 Chipset
Bench Mark/Clock speed	9540/3.4GHz
Memory size	8GB (optional expansion up to 16GB)
Memory type	DDR4 2133 ECC UDIMM
Video Storage Performance	Up to 120Mbps / 15MBs
Expansion	
Slot Type:	
	1x PCI-E x16 (Gen 3 x16 link) + 1x PCI-E x8 (Gen3 x4 link) + 1x PCI + 1x MIO
	OR
	1 x PCI-E x16 (Gen3 x8 link) + 1x PCI-E x8 (Gen3 x8 link) + 1x PCI-E x8 (Gen3 x4 link) + 1 x PCI + 1 x MIO
Storage	
HDD Bays	4 x Hot-swap 3.5"
Drive support	2, 3, 4, 6, 8 & 10TB SATA III Video Class
RAID	5, 10
Removable Storage	1 x Optical DVD-RW
Networking	
Data Ports	4 x GbE (Intel® I210AT)
Management Port	1x GbE
Display Outputs	
Standard Graphics	HD 7750 1 GB DDR3 mDP, 2x HDMI (DVI & VGA via adapters)
Std. 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 3.0 ports (Front x 2, Rear x 2)
	4 x USB 2.0 ports (Front x 2, Rear x 2)
	1 x PS/2 combined keyboard/mouse port
	1 x VGA port (disabled with optional graphics card)
Management Solution	
	Remote KVM-iKVM for KVM-over-IP support
	ASWM Enterprise 2.0
Compliance	
Safety	US/Canada (UL1950-CSA950)
	Europe (CE, EN55022 compliance to EU Directive 89/366/EEC)
EMI	US (FCC, CFR47 Part 15, Class A)
	Europe (CE, EN55022 & EN55024)
	Australia (C-TICK)
	Taiwan (BSMI)
	China (CCC)
Physical Characteristics	
Dimensions (in./mm)	5U with optional rack mount kit 17.5" x 8.6" x 21.5" 445mm x 217.5mm x 545mm
Weight	44lbs./20Kg
Power	Single
Voltage	110/220V AC
Watts	500W 80PLUS Bronze
Operating Environment	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 support is calculated using 2MP HD cameras using H.264 at 15fps.