



ApplianceStor 30R

High Performance Video Surveillance Appliance

High performance VMS appliance with optional Viewing capability is ideally suited for large megapixel 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, with enterprise-class reliability and a significant system cost savings.

Viewing and Monitoring

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 of video viewing and monitoring server.

New Standard

The ApplianceStor 30 Rack mount appliance combines VMS (Video Management Software) and power of optional PS5000 IP storage. This combination is perfectly matched to provide a complete high performance and cost effective video surveillance solution. The AS30R is a next generation appliance that is the perfect platform to host market leading VMS solutions. The PS5000 storage solution provides market leading storage performance and capacity. The two products, when teamed together provide an unmatched video surveillance solution in performance, reliability, scalability and capacity. Multiple AS30Rs can share a single PS5000 in the optimal configuration to provide a cost effective high performance solution. The AS30R, when used in conjunction the PS5000 allows capacity to grow up to 1080TB. Rasiliant sets the new standard on how to implement high performance megapixel video surveillance solutions.

Powerful

The AS30R is a high performance server appliance, built around the server class Intel® Skylake Xeon® quad-core processor with up to 3.8GHz clock speeds and fast 2133 MHz ECC DDR4 memory. The AS30R offers high performance and bandwidth connectivity to meet the most demanding megapixel camera applications. The AS30 model comes standard with two GbE ports for LAN connectivity and an additional port that can be dedicated to management for a total of 3 GbE LAN ports. An optional fourth GbE port can be added when the video card option is not included. With the AS30R LAN connectivity and its impressive power, it is the perfect solution for small to medium sized camera deployments.

Video Storage Challenge

In most VMS server solutions today the true bottleneck is poor write performance to storage designed for IT environments and inherently performs poorly with video surveillance storage. Rasiliant separates the VMS with the AS30R appliance and the storage with the high performance PS5000 storage array to provide a combined optimal video surveillance solution. With Rasiliant, there is no longer a need to worry if your VMS and cameras will work on your storage server. We prequalified and certify most major VMS solutions on our products. The AS30R is cost effective yet easy to install and maintain. The AS30R is ultimate in simplicity while significantly reduces CAPEX and OPEX cost.

More Features

Easy

AS30 provides 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.

Flexible & Scalable Size

Flexible design allows the AS30 to be used as a standalone storage server in smaller megapixel deployments or combined with the PS5000 for larger storage requirements.

Expandable

The AS30R provides one expansion slot for future expansion. The PCI-E slots support full-height, half-length cards.

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® C232 Chipset
Bench Mark/Clock speed	9540/3.4 GHz
Memory size	8 GB
Memory type	DDR4-2133 ECC UDIMM
Video Storage Performance	Up to 120Mbps / 15MBps internal and 720MBps / 90MBps with PS5000
Expansion	
Expansion Slot :	1
Slot Type:	1 x PCI-E x16 (Gen3 x8 link) (Full-Height/HL)
	Internal slot- Storage Enhancement
Storage	
Drive support	2, 3, 4, 6, 8,10, 12, 16, 20 TB SATAIII Video
	2x 120 GB SSD
Removable Storage	1 x Slim-type Optical DVD-RW
Networking	
Data Ports	2x GbE (Intel® I210AT)
Optional	1xGbE without HD Graphics option
Management Port	1x GbE
Display Outputs	
Onboard graphics	Aspeed AST2400 with 32MB VRAM
Optional HD Graphics	HD 7750 1 GB DDR3 mDP, 2x HDMI (DVI and VGA via adapters)
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 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 optional Graphics card)
	1 x PS/2 combined keyboard and mouse 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)
EMI	US (FCC, CFR47 Part 15, Class A)
	Europe (CE, EN55022 & EN55024)
	Australia (C-TICK)
	Taiwan (BSMI)
	China (CCC)
Physical Characteristics	
Dimensions (in./mm)	15" x 16.9" x 1.7" 380 x 430 x 43.4
Weight	15lbs./6.5Kg
Power	Single
Voltage	110/220V AC
Watts	250W 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.