



ApplianceStor 85R

High-Performance Video Surveillance Appliance

High Density VMS Storage Server with four high-performance, dual CPU server modules, and dual power supply is ideally suited for large video surveillance locations with up to 256 megapixels per blade (with PS5000)*

Features

Optimized

Designed and optimized for video surveillance. It delivers the performance required for the most demanding megapixel installations.

Open

Purpose-built open platform to integrate Video Management Software. All major OS and VMS providers are prequalified. More are continually added to ensure the widest possible certification coverage.

SSD Drives

Designed for 24/7/365 operation. SSD drive technology is used to provide the performance and reliability needed for the most demanding video surveillance deployments.

Manageable

Very easy to manage with an optional web-based remote management, GUI-driven iKVM. The 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 85R is a modular server system which packs four high-performance server modules in a single 2U rack mount platform providing unmatched performance and density. Each module can be used for VMS (Video Management Software) integration, failover, archiving, administration and access control servers in a single high-density 2U system. The AS85R is ideally suited for use in conjunction with the PS5000 to provide a simple to use, high-performance, and large capacity video surveillance solution. Significantly reduces the cost over a separate VMS servers, reduces cabling and the nightmare of integrating VMS, OS, commodity server and storage while significantly reducing the overall solution cost. AS85R is prequalified and provides guaranteed performance with all major VMS solutions.

Powerful

AS85R packs four powerful server modules into a single 2U system. Each module is built around two high-performance Intel® Broadwell Xeon® E5-2620v4 (eight cores 16 threads)/ E5-2630v4 (ten cores 20 threads) server class processors with up to 3.1 GHz clock speed and DDR4 2400 MHz ECC memory. Each AS85R module offers high performance and bandwidth connectivity to meet the requirements of the most demanding megapixel camera applications. Each AS85R server module delivers unmatched LAN connectivity with three GbE ports and an additional port that is dedicated to management for a total of four GbE LAN ports. Optionally, the data LAN ports can be increased to six GbE ports per blade.

Reliable

The AS85R provides dual, redundant power supplies. It uses ECC RAM and it guarantees that video being stored, read, and transferred is always correct. It uses a parity bit to accomplish data protection. Most NVRs and DVRs are not protected to this level and crucial video can be lost.

Right Size

The AS85R is designed for large megapixel deployments and perfectly matched with the high capacity and performance PS5000 IP Storage system. The AS85R, when used with PS5000, can scale capacity up to 4.3 PB. The AS85R provides unmatched performance density to ensure optimal, cost effective, and dependable video storage.

* Maximum camera supported is calculated using 2MP HD cameras using H.264 at 15fps,

More Features

Powerful compact design



Packs four 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

AS85R provides an expansion slot for future expansion. Additional RAM can be added, up to 32GB of RAM.

Easy

The AS85R 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 AS85R features two hot-swappable SATA SSD drives per blade and power supplies for easy installation and maintenance.

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Specifications

Module Core Technology	
CPU Type	Dual Intel Xeon E5-2620v4/ 2630v4 Broadwell
Socket	LGA2011-3
Core Logic	Intel® C612 PCH Chipset
Bench Mark/Clock speed	18960 /2.2GHz (dual CPU)
Memory size	16GB per blade (expandable up to 32GB per blade)
Memory type	DDR4 2133 ECC RDIMM
Expansion	
Expansion Slot:	1
Slot Type:	1 x PCI-e x16 (Gen3 x16 Link) (Low profile/HL)
System Storage	
HDD Bays	12 x Hot-swap 3.5" (3 HD per module)
Drive support	240, 480, 960 GB SSD
RAID	1, 5, 6
Networking	
Data Ports	3 x GbE Intel® I210AT / blade
Optional data ports increase to:	4x GbE or 6xGbE or dual 10GbE
Management port	1 x GbE /blade
Display Outputs	
On board graphics	1 Aspeed AST2400 with 32MB VRAM
I/O Ports	
	2 x USB 3.0 ports 1 x VGA 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) Europe (TUV)
EMI	US (FCC, CFR47 Part 15, Class A) Europe (CE, EN55022 & EN55024) Australia (C-TICK) Taiwan (BSMI)
Physical Characteristics	
Dimensions (in./mm)	Designed for 24x7x365 Operation 28.7" x 17.3" x 3.4" 729 x 439.4 x 87
Weight	63.9lbs./29Kg
Power	
Voltage	Dual redundant 1+1 110/220V AC
Watts	1 + 1 Redundant 1620W 80Plus Platinum
Operating Environment	
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

EMC-FCC
Class A



6/11/2019