



R-Series
R-16 Series

REDD ASH PERFORMANCE

Home to the most specialized, high-performance surveillance servers. The **R-Series** offers complete turnkey surveillance solutions for some of the world's most exciting theme parks, casinos and other challenging environments.

Powerful Performance

R-Series performance has withstood over 40,000 hours for real world surveillance testing in extremely difficult scenarios. Our customers, disappointed with off-the-shelf "surveillance servers", demand 30 to 60 frames per second and data storage for 90 days or more.

Customized Approach

Instead of the one-size-fits-all approach the R-Series offers R16, R28, R46 & R47 all customized and tested specifically for Onssi, Genetec, Milestone, IndigoVision, Avigilon, and many more enterprise class VMS.

Versatile

As camera manufacturers increase resolution, improve artificial intelligence, and video analytics, ongoing research and development at Redd Ash Lab ensures customizes, futureproof solutions. Our servers are designed for modular upgrades as needed.

Guaranteed Performance

Redd Ash guarantees the design and performance of the system for throughput and storage based on the camera selection and configuration(s). Design engineers certify a robust server design with futureproof performance to guarantee desired system performance. The performance guarantee will be based on the documented throughput and storage capacity requirements calculated, and stated in our specifications.

Management Server

- Built on the award winning SUPERMICRO server platform
- Intel Xeon E5-2609 2.4GHz Quad Core CPU
- 16GB RAM
- 2x 1TB SAS HDD in RAID1 for OS and Base Management SW and its database
- Hardware RAID Controller with BBU for enhanced performance and reliability
- 400W (1+1) Redundant high-efficiency power supply
- Windows Server OS

Feature	Technical Specification
Form Factor	1U Rackmount
Dimensions and Weight	HxWxD – 1.7"x17.2"x19.8" (43mmx437mmx503mm) Gross Weight – 31lbs (14.1kg)
Processor	LGA 1366, 1155, 1156 or 775 Socket Supports Quad/Dual-Core Intel® Processor
Memory	4/2x DIMM sockets Supports up to 3GB or 32GB RAM
On-Board Devices	Intel® 3420/945GC chipset RAID 0, 1, 5, 10 support for Windows 2x Gigabit Ethernet Ports VGA port Super I/O – Winbond 83827HF chip
Health Monitoring	Monitors for CPU Cores, +1.8V, +3.3V, +5V, ±12V, +3.3V Standby, +5V Standby, HT, Memory, Chipset Voltages 3-Phase-switching voltage regulator Temperature monitoring for CPU and chassis environment Thermal Control for 5x fan connectors PECI Chassis intrusion detection Status monitor for fan speed, on/off control Low noise fan speed control
System Cooling	3 or 4x 40mm 12,500 RPM PWM fans
Input/Output	4x SAS or SATA ports 2x RJ45 LAN ports 2x USB rear ports, 2x USB front ports (4 ports) 1x VGA port PS/2 keyboard and mouse ports 1x Fast UART 16550 serial port 1x internal header
Power Supply	400W (1+1) Redundant high-efficiency power supply w/ PFC AC Input – 100-240V, 50-60Hz, 6-3A DC Output – 3A @ +5V standby, 33A @ +12V +5V – 25A, -12V – 0.6A, +3.3V – 25A
Expansion Slots	1x full-height, half-length PCI expansion slot with a Riser Card
Operating Environment / Compliance	RoHS Compliant Operating Temperature: 10° to 35°C (50° to 95°F) Operating Relative Humidity: 8% to 90% (non-condensing)
Model #: R16-OC-BASE (Ocularis VMS) Model #: R16-MS (Milestone VMS) Model #: R16-GT (Genetec VMS) Model #: R16-IV (IndigoVision VMS) Call for Price: (407) 901-3192	