



R-Series
R-FTS-8 (REV2)

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

RFTS-8 is ready for all enterprise class VMS manufacturers like Avigilon, IndigoVision, Bosch, Genetec Milestone and much more. As camera resolution quality and video analytics improves ongoing research and development at Redd Ash Lab ensures customizes, futureproof solutions. RFTS-8 workstations are also designed for modular upgrades when necessary.

Versatile

One of the most robust client Workstations, the new RFTS-8 (Rev.-2) improves upon the processing power of its predecessor. Designed to display 32 high resolution views, the RFTS-8 outputs to a dual monitor configuration. This client is Ideal for video surveillance in challenging environments like high speed coasters, fast paced casinos and poorly illuminated scenes that requiring high frame rates video capture.

Guaranteed Performance

Most importantly, Redd Ash guarantees the design and performance of this workstation for clear resolution, fluid image stream and high performance user interface. Design engineers certify a robust, futureproof machine and stand behind the specifications in this document.

Ocularis Appliance

- Built on the award winning SUPERMICRO server platform
- Up to 20 concurrent Ocularis client connections
- Guranteed Performance up to 6 Gbps Throughput
- Multiple enterprise class RAID arrays custom configured and optimized for Ocularis usage
- 36 x 3.5" SAS/SATA Hot-swap Drive Bays
- Redundant 1100W (1+1) high-efficiency power supply
- Three years advance replacement warranty

Feature	Technical Specification	
Form Factor	4U Rackmount	
Dimensions and Weight	WxHxD – 7"x17.2"x20.5" (178mmx437mmx521mm) Gross Weight – 72lbs (32.7kg) minimum	
Processor	Intel i9-9900k 8-Core, 16-Threads, 3.6 to 5.0 Ghz	
Memory	Minimum 32 GB DDR4 System Cache for added performance Up to 1TB† ECC 3DS LRDIMM, 256GB ECC RDIMM	
On-Board Devices	Intel® C612 chipset RAID 0, 1, 5, 10 support for Windows 2x Gigabit Ethernet Ports via Intel i210	
Distributo, PMBus 1.2, 12C, and PFC	AC Input – 100-240V, 50-60Hz, 7.5-3.0A DC Output – 3A @ +5V standby, 50A @ +12V With Power Distributor – 30A @ +5V, 28A @ +3.3V, 0.6A @ -12V	
Health Monitoring	Monitors for CPU Cores, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages 5-Phase-switching voltage regulator Temperature monitoring for CPU and chassis environment	Thermal Control for 7x fan connectors PECI Chassis intrusion detection Status monitor for fan speed control Pulse Width Modulated (PWM) fan connectors
System Cooling	1x Front 9cm Intake Cooling Fans 2x Rear 8cm Exhaust Cooling Fans	
Input/Output	2x RJ45 LAN ports 2x USB front ports, 6x USB rear ports 1x COM port 2x SuperDOM (Disk on Module) ports 1x TPM 1.2 20-pin Header	
Power Supply	660W Redundant High-Efficiency Power Supplies w/ Power	USA – UL listed, FCC Canada – CUL listed Germany – TUV Certified Europe/CE Mark EN 60950/IEC 60950-Compliant
Expansion Slots	2x PCI-E 3.0 x16 1x PCI-E 3.0 x8 (in x16)	1x PCI-E 3.0 x4 (in x8) 1x PCI-E 2.0 x4 (in x8)
Operating Environment / Compliance	Operating Temperature: 5° to 35°C (41° to 95°F) Operating Relative Humidity: 8% to 90% (non-condensing)	
Model #: RFTS-8 Rev2 Call for Price: (407) 901-3192		