

## REDDWARE

Specializing in application-optimized server storage and workstation design-builds tailored to exceed your security requirements. Our security industry experience allows us to deliver higher performance machines tested and custom built specifically to your Access Control, AI and VMS requirements.



## Powerful Performance, Trusted and Verified

ReddWare brings over a decade of listening, observing, testing and customization experience from Fortune 500 customers who require more than commercial off-the-shelf security machines for leading Access Control, AI and VMS security platforms. Our high performance workstations and servers were developed and proven by over 100,000 hours of real world testing in demanding environments.

## Customized Approach

Our R28 UHD NVR is high-performance, high-capacity tailored to deliver maximum availability and scalability for the most demanding environments. The R28 includes 12 drive bays and is scalable to 56 bays. Equipped with Enterprise class hardware RAID and redundant power supplies, this UHD Video Recorder features robust data storage capacity. Standard models deliver 50 to 100TB of storage and can be customized up to 500 TB of usable storage space.

## Versatile

The R28 UHD Performance Designed Network Video Recorders are optimized to exceed requirements of recording more camera streams and retaining video for ongoing retention. Trusted by Fortune 500 companies around the world, it provides a robust and highly scalable foundation to meet the demands of casinos, amusement parks, municipalities, and other environments with high camera density and increased reliability.

## Video Recorder Server

- ▶▶ Built on The Award Winning SUPERMICRO Platform
- ▶▶ US-Based Engineering and Manufacturing
- ▶▶ Certified to ISO 9001:2015, ISO 13485:2016 and ISO 14001:2015 Standard
- ▶▶ Hardware Based RAID
- ▶▶ Up to 1/2 Petabyte Storage
- ▶▶ IPMI Management Interface
- ▶▶ Dual 10GB NIC
- ▶▶ Redundant Power Supplies
- ▶▶ 3-5 Year Advanced Replacement Warranty
- ▶▶ Advanced Hardware Health Monitoring

Feature	Technical Specification
Form Factor	2U Rackmount
Dimensions and Weight	HxWxD - 3.5"x17.2"x24.8" (89mmx437mmx630mm) Gross Weight 70lbs (32kg)
Processor	Dual Xeon CPU Sockets
Memory	16 Dimm slots Up to 4TB ECC DDR4-2933MHz RDIMM/LRDIMM
On-Board Devices	Intel® C622 chipset SAS3 (12Gbps) via Broadcom 3008 AOC SATA3 (6Gbps); RAID 0, 1, 5, 10 Dual 10GBase-T LAN ports with Intel X722 + PHY Intel X557 Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ASPEED AST2500 BMC
Health monitoring	Monitors for CPU Cores, Chipset Voltages, Memory. 4+1 Phase-switching voltage regulator Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors Monitoring for CPU and chassis environment Thermal Control for fan connectors
System Cooling	3 Hot-swap 8cm redundant PWM cooling fans
Input/Output	2 RJ45 10GBase-T LAN ports 1 RJ45 Dedicated IPMI LAN port 4 USB 3.0 ports (rear) 1 Type A 1 VGA port 1 Fast UART 16550 port / 1 Header
Power Supply	1200W Redundant Power Supplies - Titanium Level (96%)
Expansion Slots	3 PCI-E 3.0 x16 slot 4 PCI-E 3.0 x8 slots Slot 2 & 3 occupied by controller and JBOD expansion port
Operating Environment / Compliance	RoHS Compliant Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Operating Relative Humidity: 8% to 90% (non-condensing)

\*\*\* Storage beyond 12 bays requires additional Controller and additional Storage Chassis