

# Vanguard Guardian+NS7125RD

**RAID, Redundant Power, Dual Processor Embedded Video Storage**



- Dual controller architecture, ensure the system reliability
- 64-bit high-performance multi-core processors, ensure the massive data processing stability
- Modula, poll-out, Cablese Design keep system easy-maintainability
- Support SAS multiple cascade external SAS interface bandwidth bi-directional 192Gbps, ensure the system storage capacity expansibility
- 24 HDDs in Single device single system up to 240 HDDs, capacity up to 1440TB
- In each controller up to 4-1000Mbps Ethernet port or 2-10000Mbps Ethernet ports
- Internal backboard bandwidth bi-directional 288Gbps
- Support 3.5 inch, 2.5inch SAS (14TB each). Support mixed different capacity HDDs
- Support HDD hot-swap, online replacement, online expand
- Support standard iSCSI protocol storage and video stream direct storage
- Under video stream direct storage mode support 1536Mbps video storage; support 128Mbps network playback
- Under video stream transmit mode support 4096Mbps front-end access; 4096Mbps network transmit
- Under IPSAN working mode storage bandwidth  $\geq 3.6$ Gbps
- Support RAID0, 1, 5, 6, 10, 50, 60, JBOD, hot standby ensures the data storage safety
- Support standard protocol such as ONVIF ensure the front-end compatibility from different manufacturer
- Adopts WEB configuration, easy to setup
- Software and hardware optimization aim at monitoring field Supporting other monitoring products form a complete solution
- Completely standard equipment, compatible with various software platform

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| System                    |                                                                                                                      | Network             |                                                                 |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------|
| Main Processor            | 64-bit high performance multi core Processor – Hot swappable Dual Controller                                         | Interface           | RJ -45 (10 ports) 10/100/1000 Support multi Address and Bonding |
| Operating System          | Linux Embedded                                                                                                       | Network Protocols   | RTP/RTCP, RTSP, UDP, HTTP, NTP, SNMP                            |
| Memory                    | 16GB                                                                                                                 | General             |                                                                 |
| Motherboard Type          | Server Class 7x24 hours running                                                                                      | Power Supply        | AC 100V-240V 50-60Hz                                            |
| User Interface            | WEB Interface                                                                                                        | Working Environment | -0°C~+40°C , Less than 80%RH                                    |
| Cooling                   | Dual Ball fan, support replacement during operation                                                                  | Dimensions          | 494(W) x483 (D) x175 (H)                                        |
| <b>Storage management</b> |                                                                                                                      | Weight              | Approx. 27Kg without HDD                                        |
| Hard Disk                 | 24 SAS (24 HDD, each up to 16TB HDD)                                                                                 | Warranty            | Vanguard 1-year warranty and Vanguard Extended Warranty option  |
| HDD Mode                  | Single, Raid 0, Raid 1, Raid 5, Raid6, Raid10                                                                        |                     |                                                                 |
| HDD Installation          | Hot Swap Support on line Replacement                                                                                 |                     |                                                                 |
| White Balance             | Auto/Sunny/Night/Outdoor/Customized                                                                                  |                     |                                                                 |
| Expansion                 | eSATA, Network Storage                                                                                               |                     |                                                                 |
| Expansion Interface       | Mini SAS, RJ45, eSATA                                                                                                |                     |                                                                 |
| Video and Alarms          |                                                                                                                      |                     |                                                                 |
| Input Rate                | 128ch@1080p/256ch@720p/256ch @ D1 - Total Input Rate 1024Mbps                                                        |                     |                                                                 |
| Recording Rate            | 128ch@1080p/256ch@720p/256ch @ D1 - Total Recording Rate 1024Mbps                                                    |                     |                                                                 |
| Recording Mode            | Manual, Schedule (Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop |                     |                                                                 |
| Video Resolution          | 8M, 5M, 3M, 1080P, 720P, 960H, D1, CIF, QCIF, VGA & etc                                                              |                     |                                                                 |
| Alarm Recording           | Video Loss, Camera blank, Motion, External Alarm                                                                     |                     |                                                                 |
| Transmission Rate         | 128ch@1080p/256ch@720p/256ch @ D1 - Total Transmission Rate 1024Mbps                                                 |                     |                                                                 |