

V-series Recording Server

NR9581-V3/ NR9682-V3



The V-series recording server offers unmatched stability and performance for surveillance systems, featuring a rack-mountable design, RAID support for data redundancy, and dual power supplies for stable and reliable operation. When paired with the preloaded VAST Security Station Pro, it comes equipped with Deep Search and Case Vault, making evidence retrieval and case management effortless. Ideal for large-scale, high-demand environments.

Features

● Hardware ● Software

**8 / 16-Bay
Hot-Swappable**

Dedicated RAID Controller Card
Supports RAID 0, 1, 5, 6, 10, 50, 60

Dual Ethernet
2.5 Gigabit LAN x 2

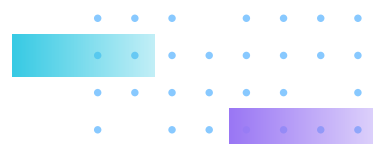
Substation Failover
Minimize recording downtime

Up to 192-CH
ONVIF Profile S and VIVOTEK AI Camera



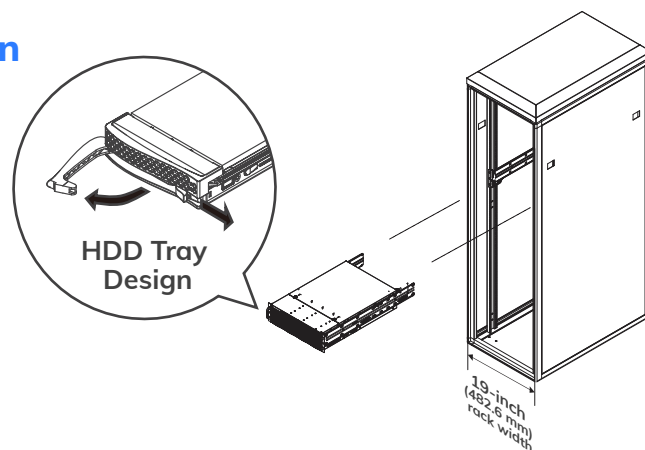
Dual Power Supply

VAST Security Station Pro
Ready to go with preloaded licenses



Rack-Mountable & Hot-Swappable Design

The VIVOTEK V-series Recording Server features a rack-mountable design, compatible with the industry-standard 19-inch (482.6 mm) rack width. It can be easily installed using the included slide rails, ensuring a secure fit within the chassis. Also, the Recording Server is equipped with front-facing hard drive slots and an HDD tray design, enabling easy replacement or addition of drives without powering down the server.



Built for Uninterrupted Operation

VIVOTEK recording servers are designed with advanced redundancy features to ensure continuous and reliable performance, even in challenging scenarios.

No loss of recording on camera disconnection

Even during internet outages, feature Seamless Recording on VIVOTEK cameras ensures uninterrupted video recorded on SD card that installed on the camera, which guarantees no critical data is lost. Once connection restores, the data on SD card would transferred back to recording server.



Redundant power supply

The dual power supply configuration protects against unexpected power supply unit (PSU). If one power unit fails, the secondary power supply automatically takes over, ensuring continuous operation.



Enhance system stability and performance with RAID

In the VIVOTEK recording server, hard drives are managed by a dedicated RAID controller card, which efficiently distributes data across multiple drives following the configured RAID level to ensure optimal performance and redundancy. In the event of a hardware failure, RAID technology prevents data corruption and data loss, to maintain system reliability.

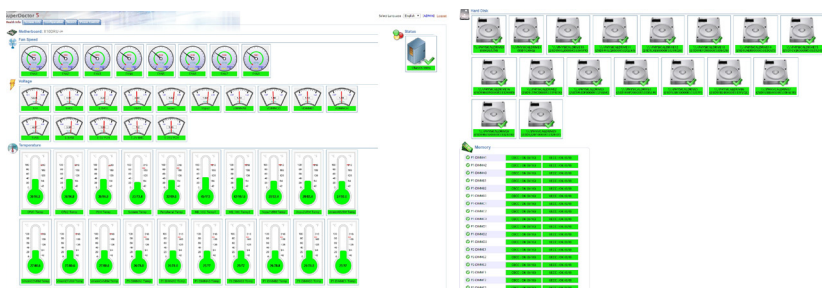


Failover protection

This V-Series recording server can act as a VAST Security Station Pro failover substation, ready to take over recording tasks instantly if the primary server encounters an issue. The preloaded VAST Security Station Pro automatically replicates settings, reducing configuration time and eliminating the risk of recording disruptions.

Ensures Stable Hardware Operation

Supermicro SuperDoctor® 5 (SD5), installed on the V-Series recording server, provides real-time hardware monitoring, control, and management. It covers critical aspects such as fan speed, temperature, power, storage, memory, and detailed system information. With proactive monitoring and early detection of potential hardware issues, helps ensuring consistent performance in all environments.



Maximize Video Security with VAST Security Station Pro

VAST Security Station Pro is a scalable video management system supporting up to 22,400 cameras. Designed for diverse projects, it streamlines operations while ensuring security, enhancing efficiency, and enabling proactive issue resolution.



Matrix without extra license

VAST Security Station Pro is suitable for projects of various scales, ranging from monitoring hundreds to tens of thousands of surveillance cameras, and supporting organizations from small and medium-sized enterprises to large-scale 24/7 operations. The VAST Security Station Pro provides a Matrix feature without requiring additional licenses for large-scale monitoring. When paired with Vision Object Analysis cameras, managing the entire surveillance system becomes more seamless and effortless.

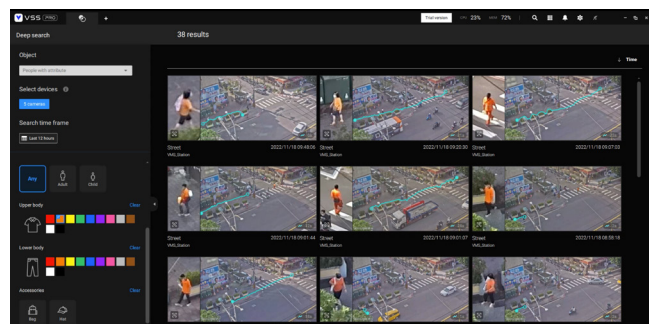


User and role management

While being managed, VAST Security Station Pro offers User Defined Roles, enabling managers to efficiently manage users with similar permissions. For example, assigning the same account privileges to shift workers or groups of employees becomes quick and straightforward, especially in large-scale environments with multiple teams or shifts.

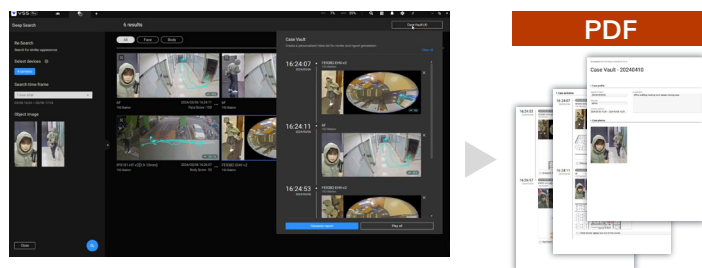
Best way to search for footage – Deep Search

Effortlessly find evidence without the need to access numerous video footages by using Deep Search, which enables efficient searching for video clips based on various attributes. View snapshots of people and their paths, eliminating the need for video replays.



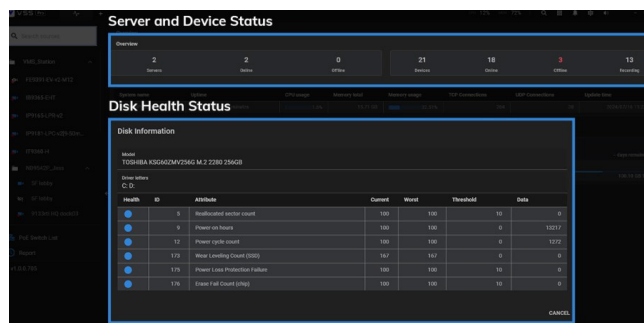
Generate case report and export video in organized

Case Vault helps user to manage footage found through Deep Search. Organize clips and export detailed case reports straight from search results, making case management easier.



Device status monitoring

Health Monitoring on VAST Security Station Pro enables easy monitoring of network cameras, devices, storage, connections, and bandwidth. It allows camera rebooting, monitors hard disk S.M.A.R.T. attributes, and provides early warnings to address issues proactively.



Software batch update

Once the recording server is managed by the CMS of VAST Security Station Pro, it enables centralized batch updates for all managed sites, including the recording server itself. Administrators can update all sites and servers simultaneously, eliminating the need to manually update each one individually. This process saves time and effort, ensures consistency and security across the entire system, also streamlines the update process.



Ordering Information

Models	NR9581-V3	NR9682-V3
Form Factor	2U	3U
Maximum HDDs	8-Bay Hot-Swappable	16-Bay Hot-Swappable
Preloaded VAST Security Station Pro Licenses	32 Licenses	64 Licenses
Maximum Support Channels	Up to 128-CH	Up to 192-CH
Power Consumption	Max. 550W	Max. 920W
Failover*	Supported	Supported

* For ordering details on failover models, please contact VIVOTEK regional sales representative.

VAST Security Station License

Edition	License Name	Note
Professional	INT LIC,VSS PRO	Required for expanding camera channels on VAST Security Station Pro edition.

Solution Architecture

