BCDVIDEO™

NOVA SERVER SERIES

A Unified, High-Performance Surveillance Solution

SAS DRIVE
Higher reliability, bidirectional drives

BEST WARRANTY
5-year global NBD on-site warranty

CERTIFIED SOLUTIONS
VMS testing determined higher throughput

VERSATILE
Accentuates most projects

bcdvideo.com

Nova Servers allow customers to build high-quality surveillance systems, lowering cost, raising performance, and maximizing capability.

SAS DRIVES

2x more bandwidth
4x fewer failures

Power System Salability

Nova Servers' SAS technology improves performance over SATA drives.

- Evolution of the parallel SCSI into point-to-point serial peripheral interface allows controllers to link directly to the disk drives.
- Enables more high-resolution cameras (500) per system than traditional servers.
- Bi-directional SAS drives support twice the bandwidth of regular drives and four times fewer drive failure removes the threat of bottlenecking.

SMARTTECHNOLOGY

Monitoring & Optimizing System Health

Focusing on preventing issues beforehand by actively monitoring server health, will protect against security vulnerabilities and crashes. SMARTTechnology includes the following:

Intelligent hard drive Comes with a predictive failure alert system and fault indicators to monitor and store data about the drive's operational state. Allows for on-site service calls and 0 downtime before a drive fails.

SMARTrestoration Allows the installer or integrator to remotely reboot and restore the server's original factory image.

SMARTvault Isolates storage of VMS configuration data; auto-backup can be set thru VMS, AMS & BMS software, and can remotely restore settings and automatically re-save every 24 hrs.

REMOTE ACCESS WITH HPE iLO

HPE Integrated Lights Out (iLO) provides remote server management in the form of health and performance monitoring, remote access, and system alerts.

- Remote access includes keyboard access, virtual media, global team collaboration, and video record/playback.

- Group configurations monitor group health and manage group firmware updates, virtual media, power control, capping, and license activation.

- HPE iLO operates whether the OS is up or down.
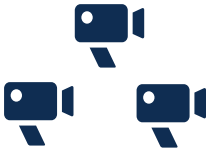
FAST THROUGHPUT

No matter the brand of VMS, Nova Servers offer significantly higher performance standards than any other server. While compatible with almost any VMS platform, Nova Servers underwent tests using Genetec Security Center and Milestone XProtect software. Their testing showed that Nova Servers:

Support up to 1300 Mbps total throughput (500+ cameras). *-Genetec*

Run 150 1MP test cameras at 10 frames per second and 60% video compression, while only using 32% of the system resources. *-Milestone*

OPTIMIZED TECHNOLOGY

All Nova Servers can come preloaded with the VMS of the integrator's choice. They can be used as unified security solutions, or a stand-alone platform for video storage, access control, or license plate recognition. For all of these uses, the extra benefits of Nova Servers remain:

Supports maximum I/O video bandwidth, allowing for more video ingestion & cameras per server than any other manufacturer in security.

Provides a cost-effective unit for the lifetime of the security system (in addition to needing fewer servers for large projects).