SUPERNOVA SERVERS

Complete Solution for Enterprise Environments

BCDVIDEO™

PROFESSIONAL LEVEL SERVERS

SuperNova Servers come embedded with BCDVideo SMARTtechnology & HPE iLO, specifically designed to proactively monitor system health. The ability to offer a five-year on-site, next business day warranty on a server pre-installed with industry-leading VMS makes the BCDVideo SuperNova Series a turnkey solution for video surveillance.

Large enterprises require high-throughput to maintain their video recording, especially when support for hundreds of camera streams is necessary. Capitalizing on the enterprise-class multi-core Intel processors, SAS drives and RAID Controllers built for video streaming equips each system for recording up to 1000 high-definition cameras. It's all covered by a five-year, on-site warranty.

SAS DRIVES PROVIDE SYSTEM SCALABILITY

The SuperNova Series uses SAS technology to improve performance over SATA drives. This is an evolution of the parallel SCSI into point-to-point serial peripheral interface in which the controllers link directly to the disk drives. With up to 224TB storage on SAS hard drives, superior bi-directional data transfer and high availability support up to 1000 cameras. One SuperNova Server offers scalability at high level for mission-critical security applications. Moreover, by supporting a variety of surveillance cameras, encoders, and applications, SuperNova Servers allow customers to build high-quality surveillance systems lowering cost, raising performance, and maximizing capability.

OPTIMIZED TECHNOLOGY

All SuperNova Servers can come preloaded with the VMS of the integrator's choice. This makes them well suited for enterprise IP video surveillance applications. They can be used as a unified security solution or as a stand-alone platform for video storage, access control, or license plate recognition.

BCDVideo products have always been made to support maximum I/O video bandwidth. This allows for more video ingestion and cameras per server than any other manufacturer in the security marketplace. In addition to needing fewer servers for large projects, the BCDVideo recording platform is positioned as a cost-effective unit for the lifetime of the security system.

The intelligent hard drives within the systems alert the administrator of a pending failure up to ten days prior to the drive failing. This allows for an on-site service call on a working drive before it fails. The result is zero downtime for the end customer.

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.

- By grouping server configurations, system administrators can easily monitor multiple servers' health while managing firmware updates, virtual media, power control and license activation with ease.

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

SMARTTECHNOLOGY

Monitoring & Optimizing System Health

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.

SMARTDEFLECT

Critical Data Protection

Securing servers from potential cyber attacks requires a proactive solution. That's why BCDVideo developed the SMARTdeflect app. Within the app, system administrators will enjoy several crucial features to remotely safeguard against any threat.

- Windows server compatibility
- Optional administrator specified PINs for users
- Optional email notifications for user login, failed login, or login attempt over administrator specified number
- Remotely disable the server when an operator already has access to the server
- Optional mandatory restart for user login beyond set number of failed login attempts
- User interface for administrators to adjust basic settings
- Self-generating PINs via mobile app QR code
- Two-factor authentication

More info at **bcdvideo.com/supernova-server-series   847.205.1922**