



NexWatch's new entry into the high end access control environment are two models, HA-1 and HA-2. These systems use the core technology of Server class computing platforms to provide high availability and high reliability. The heart of these systems is a data protection strategy based on the industry standard RAID (Redundant Array of Independent Disks). The security database and all other application transactions are securely stored and safeguarded against disk failure or corruption.

### HA-1

Where data is of the utmost importance, the HA-1, with RAID-5 data storage, provides highly reliable data protection for large, multi-door systems.

### HA-2

The HA-2 extends the mission critical concept one step further. It also includes a second server. This second server acts as a second safety layer, quiescent until needed, but able to switch into service the moment the "Star-Monitor" detects problems with the application program. The HA-2 extends the level of protection and redundancy to include Data, Hardware and Software Applications.

By providing complete hardware redundancy, and uniquely monitoring the systems using a software program named "Star-Monitor", your security system will never be in danger of costly down time or loss of critical data.

The most important aspect of our High Availability Systems is the protection of data. Through the use of RAID technology, the security database will be protected on multiple disk drives using this special writing technique. NexWatch has chosen to use five (5) hard drives in our RAID configuration. Minimum RAID architecture would be three drives. This server industry standard of adding two more 'hot' spares delivers two levels of fallback in the event of a disk drive failure.

Both systems use the same base hardware configurations. This will allow you to start with our base system, yet grow into a fully redundant system in the future.

Whatever your server needs are, NexWatch can provide a complete solution.

## FEATURES

This StarGaze application runs on the world's most stable operating system, RedHat Linux version 6.2

- Two Systems to choose from:
  - Data Secure System: HA-1 for large, multi-door applications
  - Full System Redundancy: HA-2 for systems demanding full protection and redundancy

- Supports 'Hot' swappable architecture for all critical components. This includes fans, power supplies and disk drives

- Each of these systems can be backed up by an optional UPS (Uninterrupted Power Supply). This UPS can be sized to allow up to 30 minutes during power outages

- **Three Levels of High Availability**

- Data Protection
- System Protection
- Site Security Protection

HA-1 and HA-2 both must have the "Three Star" configuration of StarGaze



**Specifications**

Server Platform

- Dell, PowerEdge 2450 Server Class system
- 900MHz, Integrated SCSI Ultra 160 I/O
- Red Hat Linux V 6.2
- Dual Power Supplies, 'Hot' swappable
- Dual Cooling Fans, 'Hot' swappable
- "StarMonitor" Auto computer switching software (HA-2 only)

Data Storage

- RAID Technology, Using RAID 5 Schema
- RAID5 with five 9 GB drives
- Dual Power Supplies, 'Hot' swappable
- Dual Cooling Fans, 'Hot' swappable
- Integrated SCSI Ultra 160 I/O

Uninterrupted Power Supply (UPS) (Optional)

- Integrated UPS for leveling power abnormalities, (~15 Min run time)

RACK (Optional)

- 19" rack, 48 'U' high
- Drawer with integrated Keyboard / mouse and 15" LCD display
- Power Distribution Panel
- Switch for Keyboard / monitor and mouse

**Requirements**

The High Availability systems are built on the StarGaze Three configuration. Please refer to the StarGaze datasheet for the software details.

**Ordering Information**

**Model HA-1**

92640010000	Data Secure System, 110VAC
92640011000	Data Secure System, 220VAC
92640000001	Rack Kit
92640000002	Uninterruptable Power Supply

**Model HA-2**

92640020000	Full System Redundancy, 110VAC
92640021000	Full System Redundancy, 220VAC
92640000001	Rack Kit
92640000002	Uninterruptable Power Supply



---

**MAIN OFFICE**

47102 Mission Falls Court  
Fremont, CA 94539  
510 360-7800  
510 360-7820 Fax  
[www.nexwatch.com](http://www.nexwatch.com)

**MIDWEST OFFICE**

135 West Forest Hill Avenue  
Oak Creek, WI 53154  
414 766-1700  
414 766-1798 Fax

**EUROPEAN OFFICE**

Böblinger Straße 17  
D-71101 Schönaich  
Germany  
49-7031-637-782  
49-7031-637-769 Fax