NH16 Firmware v3.1.0.98
Customer Release Notes

This official firmware release applies to the NH16 NVR Hybrid recorder platform. It provides important product enhancements, and is required to take advantage of patches and maintain compatibility. This update supersedes all previous firmware versions.

Bug Fixes

The following bugs are addressed in this release:

RTSP Camera Audio

- A clicking sound affecting RTSP cameras configured for channels 1-8 has been removed.

IP Camera Configuration

- Changes to IPC channel 9 settings in the Web interface are now properly applied

Analog Camera Resolution

- The system now permanently retains analog camera recording resolution settings.

Bulk Configuration Updates

- The recorder's Title value no longer changes unexpectedly when loading a configuration file.

Rear-panel Ethernet Port Functions

- Configuring a port for the TH4C recorder no longer affects other port settings.

Enhancements

Smart Stop

- After a vehicle's ignition is turned off, power down the recorder as soon as automatic or user-requested download, maintenance, or diagnostic tasks are completed. This reduces battery drain and required maintenance, while extending the recorder's service life.

Networking Hostname

- Added support for a user-configurable recorder hostname that identifies the device on a network.
- The recorder hostname can be registered to provide Domain Name System and Dynamic Host Configuration Protocol networking services.

Enhancements (*continued*)

Scheduled and on-Demand Reboot

- Support for customers who need to configure a recurring time-of-day for the recorder to reboot, and a "Reboot Now" button.

Additional Signal Input Trigger

- The new "Normally High" option activates the signal when high voltage drops (open circuit or low voltage). The signal is not active when the input is held at a high voltage level.

AHD Camera Setup

- The recorder detects the incoming video signal and the user interface indicates if the connected camera does not match the channel's selected camera configuration.

Default Protected Alarm Aging Limit

- When the Protected Alarm feature is enabled, the system sets the default period of time that protected Alarm data cannot be overwritten by unprotected (non-Alarm) data to 7 days.

Increased Primary and Secondary Storage Options

- Support for up to 4TB SSD and 1TB SD Card media.

Known Issues

Automatic Drive Formatting on Older Firmware

- Storage media is not recognized on recorders running firmware older than version 3.x. By design, unrecognized media will automatically format when inserted into a recorder, so recording can commence. Customers who swap cartridges between recorders must ensure each has firmware version 3.x or higher.

Archiving

- If no data is recorded on channels 1 through 8, archiving may not work from the local user interface.

C3 Series Camera Configuration Updates

- Updated R2 (secondary/backup stream) frame rate settings will not transmit to some C3 series IP cameras when the configuration file is loaded to the recorder. Rebooting the recorder fixes this problem.

Network Port Number

- Changing the port number may result in loss of network access. Networking can be restored by resetting the port number to its default value (80) via the local user interface.

Known Issues (*continued*)

Web User Interface

- Loading configuration files through the Web interface may result in a crash or freeze. Restarting the browser reconnects to the recorder.

Compatibility

- Minimum software versions:
  - vMax View - *not supported*
  - Evidence Manager v 3.4.0
  - Depot Manager v 3.4.6
  - Commander v 5.3.3
  - vMax Stream v 3.0
  - vMax Web (PC browser) - Internet Explorer 11
- Other integrations:
  - iVML with data transmitted over:
    - Modem - *supported*
    - LMU - *supported*
  - Student Tracking - *not supported*

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