

## New Features

- ◆ NCS System
  1. **New OS Support:** Windows 7 64 bit / Windows 2008 R2 64 bit
  2. **Multiple Language:** Supports 15 languages, including Chinese (Simplified/ Traditional), Danish, English, Finnish, French, Hebrew, Hungarian, Japanese, Korean, Portuguese (Brazil), Russian, Serbian, Spanish and Thai.
  3. **SQL Server Reconnection:** System reconnects to SQL server when being disconnected.
  4. **Alarm Database Recycle:** Alarms recorded in SQL database are recycled automatically.
  5. **Alarm Database Backup:** Alarm records can be set automatically or manually backed up to disk storage or FTP.
  6. **System Log:** Log viewer is available for searching and exporting system events.
  
- ◆ NCS Client
  1. **Alarm Recording:** Record video from source camera whenever an alarm is triggered.
  2. **NVR Server Reconnection:** Try to reconnect to NVR Server whenever NCS Client is disconnected.
  3. **NVR Matrix Reconnection:** Try to reconnect to NVR Matrix whenever NCS Client is disconnected.
  4. **View Group List:** Operators can save the status of all matrices to a view group and reload pre-configured cameras in this view group on all matrices.
  5. **DI associated camera:** Operators can open the live view and playback of a DI to view the video of its associated camera, and see the snapshot of DI associated camera when a DI alarm is triggered.
  6. **Alarm History Search:** Operators can view alarms together with its history on the searching output window.
  7. **Server Search:** Search for NVR Servers by contacts and properties, such as address, zip code.
  8. **Alarm Grid Group:** Allow operators to set multiple groups of alarm grids, which will display the live video of camera whenever alarms are triggered.
  9. **Two-way audio:** Send audio from NCS Client to a camera which supports two-way audio.
  10. **ImmerVision:** Support ImmerVision PTZ control on live video window.
  
- ◆ NCS Matrix
  1. **ImmerVision:** Support ImmerVision view type on video preview.

## Improvements

- ◆ NCS Server
  1. Check the correctness of the NCS Server configuration while saving and loading.
  2. Launch 3 times faster than version 1.3 if being connected to a large SQL database.
  
- ◆ NCS Client
  1. Standardize alarm management procedure to assist operator reacting to alarms quicker.
  2. Allow operator to check network service status of NVR server.
  3. NCS Client displays NCS Server status, including IP address, free disk space and SQL Server status of NCS server.
  4. Shortcut to open instant playback on live video windows is popped by triggered alarms.
  5. Check the correctness of the configuration of NCS Client while saving and loading.
  6. Hide all devices to unprivileged operators for both server list and the map list.
  7. Save the layout of NCS Client for each user account.
  8. Add copy function for the setting of an indicator
  9. Allow operator to adjust the scale of indicators in the map setting
  10. Add a map option to hide the coverage of all cameras on the map.
  11. Allows operator to sort the devices from the server list or map list according to device type or the alphabetical order of device name.

12. The same operation can be performed on multiple devices by simply selecting multiple devices
13. Allow customization for pre-alarm and post-alarm time
14. Buttons with similar functionality is reallocated with a newly defined group
15. Keep folding status of server list while switching between operate-mode and edit-mode.
16. Restore selection on server and map list according to the last login status

◆ NCS Matrix

1. Display bit rate of video streaming on OSD of each channel.

**Bug Fixes:**

1. Lost error messages when NCS Server disconnects from SQL Server.
2. NCS Matrix reconnection error under network failure.
3. NCS Matrix hanging problem when several cameras connect to an unresponsive recording server.

**Notes:**

1. Please completely upgrade for the NCS V1.5, including NCS Server, NCS Client and NCS Matrix.
2. Do not eject the removable disk before the completion of the export in case of transfer failure when transferring offline license and exporting system information.
3. Please do not access more than one POS device for instant playback simultaneously. Accessing larger POS databases may require more time.