

## Release Version v2.3.2 (2016/5/5)

### New Features

1. Able to synchronize multiple recording servers in one time (right click on server group -> Synchronize Device)
2. Able to export CMS alarm as .PDF (version 2.3.1 only support .xls format).

### Enhancement

1. Upgrade H.265 decoder to have better performance.

### Fixed Bug

1. Repack VC Microsoft Visual C++ 2008 SP1 Redistributable Package (x86) ver 6195 to fix fail to run CMS when startup in certain condition.
2. Fix playback select folder function fail.
3. Fix Matrix mark flag that will result in triggering non-related camera channel.

### Support OS

1. Windows XP 32 bit
2. Windows Vista 32 bit
3. Windows 7 32 bit and 64 bit
4. Server 2008 R2 (64 bit)
5. Windows 8 64 bit (Need to disable Windows UAC before starting NCS system)
6. Windows 8.1 32 bit and 64 bit

### Support NUUO product line

1. Mainconsole: 6.1.1 or later (DVR card only support 6000S/7000S/7100/8000HD)
2. NVRmini2: 1.6.1 or later
3. NVRsolo: 1.0 or later
4. Crystal: 3.1.0 or later
5. Titan NVR: 1.7.0 or later.

## Release Version v2.3.1 (2016/02/22)

### Fixed Bug

1. To include necessary dll so no need to install Microsoft Visual C++ 2008 SP1 Redistributable Package (x86) additionally.
2. For user in CMS 2.3.0, please upgrade to CMS 2.3.1 for fix.

## Release Version v2.3 (2016/01/18)

### New Features

1. Support NUUO Crystal™ and Titan NVR with Live view, alarm and playback
  - \*Refer manual: NCS Overview -> System Introduction -> Support Crystal™ and Titan NVR
  - \*For Crystal-PRO, it won't need to upgrade to Crystal-ENT or ULT to support CMS Matrix View
2. Support Mainconsole Edge Motion Event
3. Support MainConsole Failover with Live View and Playback
4. Support H.265

### Enhancement

1. Control Multiple PTZ camera in Single PTZ Control Panel
2. Set a Default Matrix for Live View Navigation
3. Multiple Remote Desktop Login Mainconsole

### Known Issue

1. Cannot apply the stream profile from Crystal / Titan to Mainconsole / NVRmini / NVRSolo, and vice versa.
2. On CMS Matrix, when camera from Crystal lost the connection, it will only show freeze image and do not have disconnect OSD.
3. The stream profile value of Crystal and Titan is incorrect.
4. After adding alarms from Crystal or Titan, please wait around 1~2 minutes, so CMS side can receive alarms correctly
5. Crystal and Titan do not support Set Layout profile.

### Support OS

1. Windows XP 32 bit
2. Windows Vista 32 bit
3. Windows 7 32 bit and 64 bit
4. Server 2008 R2 (64 bit)
5. Server 2012 R2
6. Windows 8 64 bit (Need to disable Windows UAC before starting NCS system)
7. Windows 8.1 32 bit and 64 bit

### Support NUUO product line

1. Mainconsole: 6.1.1 or later (DVR card only support 6000S/7000S/7100/8000HD)
2. NVRmini2: 1.6.1 or later
3. NVRsolo: 1.0 or later
4. Crystal: 3.1.0 or later
5. Titan NVR: 1.7.0 or later.

## Release Version v2.1 (2015/4/30)

### New Features

- NCS Client
  - A. Support live video scramble (with Mainconsole v5.2)

### Enhancement

- NCS Client
  - A. Support offline mode
    - a. When server has new configuration update by other user, the user can choose login again to update the configuration or keep as offline mode.
    - b. In offline mode, user will run out-of-date configuration and still can do live view/backup/export.
    - c. In offline model, alarm and server status won't be updated and some options will be disabled and be gray out indicating not available.

### Support OS

- Windows XP 32 bit
- Windows Vista 32 bit
- Windows 7 32 bit and 64 bit
- Server 2008 R2 (64 bit)
- Server 2012 R2
- Windows 8 64 bit (Need to disable Windows UAC before starting NCS system)
- Windows 8.1 32 bit and 64 bit

### Support NUUO product line

- Mainconsole: 4.1.0 or later (DVR card only support 6000S/7000/7000S/7100/8000HD)
- NVRmini: 2.6
- NVRmini2: 1.6.1 or later
- NVRsolo: 1.0 or later

## Release Version v2.0 (2014/5/12)

### New Features

- NCS Client
  - A. Support Camera Multi-Stream (with Mainconsole v5.0)
  - B. Central Manual Backup: Support both Alarm & Video central backup
  - C. Support lock screen: Able to lock window in full screen to ensure focus on NCS client
  - D. Add Camera Link: Able to add direct IP address links to each individual camera
  - E. Add Hotkeys to set alarm status for Alarm Real-Time/Output/Output2 and Alarm Management windows

### Enhancement

- NCS Client
  - A. All new Alarm Management interface - Live View & Instant Playback on one screen
  - B. Simplifying NCS Client menu layout
  - C. Support for NVRmini2/NVRsolo 2-way audio
  - D. Support for NVRmini2/NVRsolo snapshot to CMS

### Fixed Bug

- NCS Client
  - A. Only able to "select one" PTZ Camera preset point on NCS Client
  - B. With live view pop-up window, when alarm keeps occurring, the 4<sup>th</sup> pop-up window (most recent alarm) overtakes the 3<sup>rd</sup> pop-up window (2<sup>nd</sup> recent alarm) instead of the oldest alarm. Fixed to overtake the oldest pop-up window

### Known Issue

- NCS Client
  - A. If an Alarm Note is already written in Alarm Management window, and its alarm status is then changed from Real-Time Alarm list using Hotkey functions, the Alarm Note will appear as blank. However you can still find the Alarm Note details with Advance Alarm Search (under Tools)

### Support OS

- Windows XP 32 bit
- Windows Vista 32 bit
- Windows 7 32 bit and 64 bit
- Server 2008 R2 (64 bit)
- Server 2012 R2
- Windows 8 64 bit (Need to disable Windows UAC before starting NCS system)
- Windows 8.1 32 bit and 64 bit

### Support NUUO product line

- Mainconsole: 4.1.0 or later (DVR card only support SCB-6000/6000S/7000/7000S/7100/8000HD)
- NVRmini: 2.6
- NVRmini2: 1.6.1 or later
- NVRsolo: 1.0 or later