

## Release Version 3.8.0 (2018/05)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	03.08.0000.0005
<b>Application</b>	DP v18.5.0	
	Install Wizard	6.1.705.18
	Remote Live Viewer	6.1.705.18
	Playback System	6.1.705.18
	Backup System	6.1.705.18
	Verification Tool	6.1.705.18
Offline License Tool	6.1.705.18	
<b>Document</b>	Local User manual	3.1
	Remote User manual	3.1
	QSG	3.1

### New Feature

1. Compliance with Europe GDPR Regulation of User Privilege Export Encryption

### Enhancement

1. Update Japanese Language
2. Update DP to v18.5.0.18

### Bugs Fixed

1. Fix FAE#4323 : User password's characters issue.

## Release Version 3.7.0 (2018/04)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	03.07.0000.0011
<b>Application</b>	DP v18.4.0	
	Install Wizard	6.1.705.18
	Remote Live Viewer	6.1.705.18
	Playback System	6.1.705.18
	Backup System	6.1.705.18
	Verification Tool	6.1.705.18
Offline License Tool	6.1.705.18	
<b>Document</b>	Local User manual	3.1
	Remote User manual	3.1
	QSG	3.1

### Enhancement

1. Update ActiveX to 6.1.705.18
2. Update DP to v18.4.0.33
3. Export / Import add more configs information
  - User account
  - Date/time setting
  - Network setting
4. Enhance for NuClient interconnect Solo
  - Supports sending Time Zone
  - Server Name Issue
5. Enhance diagnostic tool
  - md5check.txt : md5 check result
  - netstat : netstat -plnt
  - /NUUO/lib/ipcampack.conf : device pack version

### Bugs Fixed

1. Fix FAE#3985 : Crash when right click (fisheye menu) in local live view.
2. Fix FAE#4222 : Daily report didn't show as html.
3. Fix FAE#4247 : Local menu can't create volume, even the size is under 16TB.

## Release Version 3.6.5 (2018/02)

### Modules

Item		Version
FW	NVR NP-8160	03.06.0005.0002
	Camera Package	DP v18.2.0.25
Application	Install Wizard	6.1.705.17
	Remote Live Viewer	6.1.705.17
	Playback System	6.1.705.17
	Backup System	6.1.705.17
	Verification Tool	6.1.705.17
	Offline License Tool	6.1.705.17
Document	Local User manual	3.1
	Remote User manual	3.1
	QSG	3.1

### Enhancement

1. Supports local privilege for video backup function
2. Supports SMTP service via TLS
3. Add a switch on local motion setting
4. Modify the default setting of "Enable built-in DHCP" to off

### Bugs Fixed

1. Fix FAE# Enhance configures while doing backup

## Release Version 3.6.2 (2017/12)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	03.06.0002.0006
<b>Application</b>	DP v5.13.0	
	Install Wizard	6.1.705.17
	Remote Live Viewer	6.1.705.17
	Playback System	6.1.705.17
	Backup System	6.1.705.17
	Verification Tool	6.1.705.17
Offline License Tool	6.1.705.17	
<b>Document</b>	Local User manual	3.1
	Remote User manual	3.1
	QSG	3.1

### Enhancement

1. Upgrade PHP to 5.6.32
2. Update ActiveX to 6.1.705.17
3. Enhance HDD S.M.A.R.T information
4. Enhance embedded motion log for troubleshooting
5. (FAE #3928) Enhance volume recycle mechanism
6. (FAE #3912) Support to send e-mail by sever with non-English server name
7. Enhance backup configurations
8. (FAE#4056) Upgrade lighttpd from 1.4.43 to 1.4.48

### Bugs Fixed

1. Fix FAE#3920, 3953 :Unable to playback recordings of Vivotek cameras VS3100 and IP3132 in Remote Playback.
2. Fix FAE#3997 : FW 3.4.0 or above unable to apply imported configuration in local menu
3. Fix FAE#4026 : Auto backup to ftp failed

## Release Version 3.5.0 (2017/08)

### Modules

Item		Version
FW	NVR NP-8160	03.05.0000.0016
	Camera Package	DP v5.9.0
Application	Install Wizard	6.1.705.15
	Remote Live Viewer	6.1.705.15
	Playback System	6.1.705.15
	Backup System	6.1.705.15
	Verification Tool	6.1.705.15
	Offline License Tool	6.1.705.15
Document	Local User manual	3.1
	Remote User manual	3.1
	QSG	3.1

### New Features

1. Prevent manual record when local screen at playback
2. Add diagnostic Tool
3. Update Activex to 6.1.705.15

### Bugs Fixed

1. Axis physical ptz panel issue
2. Snapshot on 4K monitor issue
3. Web Liveview / Remote Liveview can distinguish from NVR motion or Edge motion
4. Fix abnormal manual record status issue

### Known Issues

## Release Version 3.4.0 (2017/05)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	03.04.0000.0019
<b>Application</b>	DP v5.7.0	
	Install Wizard	6.1.705.13
	Remote Live Viewer	6.1.705.13
	Playback System	6.1.705.13
	Backup System	6.1.705.13
	Verification Tool	6.1.705.13
Offline License Tool	6.1.705.13	
<b>Document</b>	Local User manual	3.1
	Remote User manual	3.1
	QSG	3.1

### New Features

1. Enhance the strategy of setting backup
2. Add "Inactive notification" of P2P service
3. Add Calendar feature in local playback
4. Add "Always connected" for improving APP experience
5. Support Axis Generic with real model name
6. Support patrol setting in local display
7. Support Java web for Firefox on RedHat & Ubuntu

### Bugs Fixed

1. Fix HDMI audio out issue
2. CMS playback issue
3. Enable symbol: '\_', '&', '?', '=', '@' in IP address for Generic / RTSP
4. 2<sup>nd</sup> monitor on screen display issue
5. Multi-Language patrol setting group name issue
6. Default setting not pop up installation wizard on 4K monitor issue
7. Camera dual stream reconnecting issue
8. Fix Autoscan out of resolution issue

### Known Issues

1. After disable "Always connect" → 2nd & 3rd streaming might not be disconnected

# NVRsolo Plus Release Note



NUUO version 3.3.0 Release date\_2017.2

## Release Version 3.3.0 (2017/2)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	DP v5.4.0
<b>Application</b>	Install Wizard	6.1.705.13
	Remote Live Viewer	6.1.705.13
	Playback System	6.1.705.13
	Backup System	6.1.705.13
	Verification Tool	6.1.705.13
	Offline License Tool	6.1.705.13
<b>Document</b>	Local User manual	3.1.0
	Remote User manual	3.1.0
	QSG	3.1.0

### New Features

1. Support USB Joystick
2. Pack latest Device Pack v 5.4.0

### Bugs Fixed

1. Fix CPU 100% when connecting with the particular monitors
2. Fix system time error after rebooting

### Known Issues

\* **Whole Screen snapshot currently is not available with 4K2K resolution at local display.**

**Please also refer to DP 5.4.0 release note for camera integration, bug fixed and known issues.**

# NVRsolo Plus Release Note



NUUO version 3.2.0 Release date\_2016.12

## Release Version 3.2.0 (2016/12)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	DP v5.2.0
<b>Application</b>	Install Wizard	6.1.705.13
	Remote Live Viewer	6.1.705.13
	Playback System	6.1.705.13
	Backup System	6.1.705.13
	Verification Tool	6.1.705.13
	Offline License Tool	6.1.705.13
<b>Document</b>	Local User manual	3.1.0
	Remote User manual	3.1.0
	QSG	3.1.0

## New Features

1. **Support 4K2K Local Display**
2. Update Activex to 6.1.705.13
3. Pack latest Device Pack v 5.2.0
4. Upgrade Dropbear SSH to v2016.74
5. Upgrade Lighttpd to 1.4.42
6. Upgrade SSL to 0.9.8zh

## Bugs Fixed

1. Fix FTP Username and Password length limitation to 32
2. Fix Disk S.M.A.R.T status
3. Fix Playback icon for event log
4. Fix Reset Button failure

## Known Issues

**\* Whole Screen snapshot currently is not available with 4K2K resolution at local display.**

**Please also refer to DP 5.2 release note for camera integration, bug fixed and known issues.**



# NVRsolo Plus Release Note

NUUO version 3.1.0 Release date\_2016.09

## Release Version 3.1.0 (2016/9)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	03.01.0000.0073 DP v4.16 04.16
<b>Application</b>	Install Wizard	6.1.705.9
	Remote Live Viewer	6.1.705.9
	Playback System	6.1.705.9
	Backup System	N/A
	Verification Tool	N/A
	Offline License Tool	1.0
<b>Document</b>	Local User manual	3.1.0
	Remote User manual	3.1.0
	QSG	3.1.0

### Key Selling Point

1. Support H.265 decoding
2. Support up to 32 channels
3. Support RAID 0/1/5/10
4. Decoding capacity of local display
  - 480fps @1080p, 120 fps @4K. H.265
  - 480fps @1080p, 120 fps @4K. H.264
5. Total throughput up to 200 Mbps
6. Maximum storage capacity up to 32TB

### Known Issues

- Actual performance of throughput might vary by environment.

### Current Limitations

- Output Resolution  
NP-8160 currently does not support 4k2k output resolution, yet this feature will be updated in the future version.

**Please also refer to DP 4.11 release note for camera integration, bug fixed and known issues.**

## Release Version 3.6.2 (2017/12)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	03.06.0002.0006
<b>Application</b>	DP v5.13.0	
	Install Wizard	6.1.705.17
	Remote Live Viewer	6.1.705.17
	Playback System	6.1.705.17
	Backup System	6.1.705.17
	Verification Tool	6.1.705.17
Offline License Tool	6.1.705.17	
<b>Document</b>	Local User manual	3.1
	Remote User manual	3.1
	QSG	3.1

### Enhancement

1. Upgrade PHP to 5.6.32
2. Update ActiveX to 6.1.705.17
3. Enhance HDD S.M.A.R.T information
4. Enhance embedded motion log for troubleshooting
5. (FAE #3928) Enhance volume recycle mechanism
6. (FAE #3912) Support to send e-mail by sever with non-English server name
7. Enhance backup configurations
8. (FAE#4056) Upgrade lighttpd from 1.4.43 to 1.4.48

### Bugs Fixed

1. Fix FAE#3920, 3953 :Unable to playback recordings of Vivotek cameras VS3100 and IP3132 in Remote Playback.
2. Fix FAE#3997 : FW 3.4.0 or above unable to apply imported configuration in local menu
3. Fix FAE#4026 : Auto backup to ftp failed

## Release Version 3.5.0 (2017/08)

### Modules

Item		Version
<b>FW</b>	NVR NP-8160	03.05.0000.0016
	Camera Package	DP v5.9.0
<b>Application</b>	Install Wizard	6.1.705.15
	Remote Live Viewer	6.1.705.15
	Playback System	6.1.705.15
	Backup System	6.1.705.15
	Verification Tool	6.1.705.15
	Offline License Tool	6.1.705.15
<b>Document</b>	Local User manual	3.1
	Remote User manual	3.1
	QSG	3.1

### New Features

1. Prevent manual record when local screen at playback
2. Add diagnostic Tool
3. Update Activex to 6.1.705.15

### Bugs Fixed

1. Axis physical ptz panel issue
2. Snapshot on 4K monitor issue
3. Web Liveview / Remote Liveview can distinguish from NVR motion or Edge motion
4. Fix abnormal manual record status issue

### Known Issues

## Release Version 3.4.0 (2017/05)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	03.04.0000.0019
<b>Application</b>	DP v5.7.0	
	Install Wizard	6.1.705.13
	Remote Live Viewer	6.1.705.13
	Playback System	6.1.705.13
	Backup System	6.1.705.13
	Verification Tool	6.1.705.13
Offline License Tool	6.1.705.13	
<b>Document</b>	Local User manual	3.1
	Remote User manual	3.1
	QSG	3.1

### New Features

1. Enhance the strategy of setting backup
2. Add "Inactive notification" of P2P service
3. Add Calendar feature in local playback
4. Add "Always connected" for improving APP experience
5. Support Axis Generic with real model name
6. Support patrol setting in local display
7. Support Java web for Firefox on RedHat & Ubuntu

### Bugs Fixed

1. Fix HDMI audio out issue
2. CMS playback issue
3. Enable symbol: '\_', '&', '?', '=', '@' in IP address for Generic / RTSP
4. 2<sup>nd</sup> monitor on screen display issue
5. Multi-Language patrol setting group name issue
6. Default setting not pop up installation wizard on 4K monitor issue
7. Camera dual stream reconnecting issue
8. Fix Autoscan out of resolution issue

### Known Issues

1. After disable "Always connect" → 2nd & 3rd streaming might not be disconnected

# NVRsolo Plus Release Note



NUUO version 3.3.0 Release date\_2017.2

## Release Version 3.3.0 (2017/2)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	DP v5.4.0
<b>Application</b>	Install Wizard	6.1.705.13
	Remote Live Viewer	6.1.705.13
	Playback System	6.1.705.13
	Backup System	6.1.705.13
	Verification Tool	6.1.705.13
	Offline License Tool	6.1.705.13
<b>Document</b>	Local User manual	3.1.0
	Remote User manual	3.1.0
	QSG	3.1.0

### New Features

1. Support USB Joystick
2. Pack latest Device Pack v 5.4.0

### Bugs Fixed

1. Fix CPU 100% when connecting with the particular monitors
2. Fix system time error after rebooting

### Known Issues

**\* Whole Screen snapshot currently is not available with 4K2K resolution at local display.**

**Please also refer to DP 5.4.0 release note for camera integration, bug fixed and known issues.**

# NVRsolo Plus Release Note



NUUO version 3.2.0 Release date\_2016.12

## Release Version 3.2.0 (2016/12)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	DP v5.2.0
<b>Application</b>	Install Wizard	6.1.705.13
	Remote Live Viewer	6.1.705.13
	Playback System	6.1.705.13
	Backup System	6.1.705.13
	Verification Tool	6.1.705.13
	Offline License Tool	6.1.705.13
<b>Document</b>	Local User manual	3.1.0
	Remote User manual	3.1.0
	QSG	3.1.0

## New Features

1. **Support 4K2K Local Display**
2. Update Activex to 6.1.705.13
3. Pack latest Device Pack v 5.2.0
4. Upgrade Dropbear SSH to v2016.74
5. Upgrade Lighttpd to 1.4.42
6. Upgrade SSL to 0.9.8zh

## Bugs Fixed

1. Fix FTP Username and Password length limitation to 32
2. Fix Disk S.M.A.R.T status
3. Fix Playback icon for event log
4. Fix Reset Button failure

## Known Issues

**\* Whole Screen snapshot currently is not available with 4K2K resolution at local display.**

**Please also refer to DP 5.2 release note for camera integration, bug fixed and known issues.**

# NVRsolo Plus Release Note

NUUO version 3.1.0 Release date\_2016.09

## Release Version 3.1.0 (2016/9)

### Modules

Item	Version	
<b>FW</b>	NVR	NP-8160
	Camera Package	03.01.0000.0073 DP v4.16 04.16
<b>Application</b>	Install Wizard	6.1.705.9
	Remote Live Viewer	6.1.705.9
	Playback System	6.1.705.9
	Backup System	N/A
	Verification Tool	N/A
	Offline License Tool	1.0
<b>Document</b>	Local User manual	3.1.0
	Remote User manual	3.1.0
	QSG	3.1.0

### Key Selling Point

1. Support H.265 decoding
2. Support up to 32 channels
3. Support RAID 0/1/5/10
4. Decoding capacity of local display
  - 480fps @1080p, 120 fps @4K. H.265
  - 480fps @1080p, 120 fps @4K. H.264
5. Total throughput up to 200 Mbps
6. Maximum storage capacity up to 32TB

### Known Issues

- Actual performance of throughput might vary by environment.

### Current Limitations

- Output Resolution  
NP-8160 currently does not support 4k2k output resolution, yet this feature will be updated in the future version.

**Please also refer to DP 4.11 release note for camera integration, bug fixed and known issues.**