

Release Version 2.5.3 (2011/3/7)

New Features

1. **Dual stream**
 - StarDot
 - TRUEN

Bug Fixed

1. Fixed the issue that the connection speed of NV-4080S/4160S are relatively low than other models through WAN
2. Fixed the issue that Dynacolor cameras are disconnected due to integration issue
3. Fixed the issue that motion detection on most of ACTi cameras¹ don't work properly under longtime duration
4. Fixed the issue that SANTEC dual stream function doesn't work sometimes
5. CPU won't spike to 100% when connecting Sony dual stream

New Camera Supported

1. **TRUEN:** TCAM-570

Appendix

Stream profile (updated)

- Original
- Low: under 300kbps; designed for mobile client single-view
- Minimum: under 100 kbps; designed for mobile client multi-view

| Brand/Series | Low Profile | | Minimum Profile | |
|-----------------------------|--------------|-----------|-----------------|-----------|
| | Resolution | Framerate | Resolution | Framerate |
| ACTi | CIF | 3~6 | CIF | 1~2 |
| Arecont | half | 3 | half | 1 |
| Axis | CIF | 5 | QCIF | 5 |
| Dynacolor | QCIF~Full HD | 0.1~10 | QCIF~Full HD | 0.1~10 |
| Eneo 1 | QCIF~Full D1 | 0.1~10 | QCIF~Full D1 | 0.1~10 |
| Eneo 2 | QCIF~Half D1 | 0.1~10 | QCIF~Half D1 | 0.1~10 |
| Eneo 3 | CIF~Full D1 | 0.1~10 | CIF~Full D1 | 0.1~10 |
| Eneo 4 | CIF | 5 | CIF | 2 |
| Eneo 5 | CIF | 15 | CIF | 5 |
| Honeywell | 640x368 | 15 | 640x368 | 5 |
| Mobotix | CIF | 3 | QCIF | 2 |
| Panasonic BB/BL | CIF | 4 | QCIF | 2 |
| Panasonic i-pro 3 megapixel | VGA | 1 | VGA | 0.5 |
| Panasonic i-pro others | CIF | 2 | CIF | 1 |
| SANTEC (D1) | VGA | 1~3 | VGA | 0.3~0.8 |
| SANTEC (1.3 Mega) | VGA~D1 | 1~3 | VGA~D1 | 0.3~0.8 |
| Sanyo HD1, HD3, | CIF~VGA | 3 | CIF~VGA | 1 |

¹ Exception: ACM5811, ACM7511, AMU9401, TCD2100, TCM1231, TCM1511, TCM3001, TCM3011, TCM3411, TCM4201, TCM5001, TCM7011, TCM7811

NVRmini Release Note

NUUO version 2.5.3_release date_20110307

| | | | | |
|---------------------------------|--------------|--------|--------------|--------|
| HD4 | | | | |
| Sanyo HD2 | CIF~4 Mega | 0.1~3 | CIF~4 Mega | 0.1~3 |
| Sony | QCIF~Full HD | 0.1~10 | QCIF~Full HD | 0.1~10 |
| StarDot | CIF | 3 | CIF | 1 |
| TRUEN | CIF~Full D1 | 0.1~10 | CIF~Full D1 | 0.1~10 |
| Vidosec | QVGA | 5 | QQVGA | 5 |
| Vivotek 7000v2/8000 | CIF | 5 | QCIF | 2 |
| Vivotek 7000v2/8000 (megapixel) | CIF | 3 | QCIF | 3 |
| Zavio | CIF | 5 | QCIF | 3 |
| Zavio (megapixel) | CIF | 7 | CIF | 2 |

Eneo 1: GLS-1701/IR

Eneo 2: GLS-2104

Eneo 3: GLS-2301H

Eneo 4: NLC-1401, NLD-1401, NLS-1401

Eneo 5: NXC-1301M, NXC-1302M, NXC-1401M, NXC-1402M, NXD-1301M, NXD-1302M, NXD-1401M, NXD-1402M

Sanyo HD1: VCC-HD2500, VDC-HD3500

Sanyo HD2: VCC-HD2100, VCC-HD2300, VDC-HD3100, VDC-HD3300

Sanyo HD3: VCC-HD5400, VCC-HD5600

Sanyo HD4: VCC-HD4600

Visit NUUO wiki for full NVRmini supported cameras on mobile clients:

http://support.nuuo.com/mediawiki/index.php/NVRmini_supported_cameras_on_mobile_clients

New Camera Support

TRUEN



| Device Name | Tested Firmware | Video Format | Video Ch | Max Resolution | Audio | I/O Ch | PTZ | On-Edge Motion | UPnP | Remarks |
|-------------|------------------|--------------|----------|----------------|-------|--------|-----|----------------|------|---------|
| TCAM-570 | Enc: V1.103A-031 | H.264 M-JPEG | 1 | 1920x1080 | 1-way | 2/2 | Yes | Yes | - | |

Release Version 2.5 (2011/1/28)

New Features

- Support NUUO mobile client**
 - iPad
 - Android
- Multiple data sources of POS²**
 - POS license + TCP Client

² Not support on NV-4080 and NV-4160

- POS license + SCB-C31_A
 - SCB-C31 (existed)
3. **Dual stream**
 - Honeywell
 4. New log type to keep track of video data exported or backup
 5. Create HELP page on web for quick start tips and trouble shooting³
 6. Compatible with Windows 7 64 bit
 7. New language: Finnish, Hungarian, Serbian⁴

System Improvement

1. [I/O Box] Record log when I/O Box is disconnected
2. [License Management] Improve the mechanism of offline activation
3. [CMS] Stream profile and I/O box are compatible with CMS v1.5.2

Bug Fixed

1. Correct the quality value of StarDot cameras to make it correspondent with camera web
2. Disable the dual stream function on ACTi ACM series video servers; only TCM and TCD series support this feature
3. NVRmini audio function is compatible with CMS v1.5.2 or later version

New Camera Supported

1. Axis: M1113, P1343
2. **Honeywell**: ACUIX, HCD554IP, HD3MDIP, HD4MDIP, HNVE1
3. IQinVision: IQA15N
4. Panasonic: BL-C210, WJ-GXE500, WV-SF336, WV-SP306
5. **PIXORD**: P600, P606, PB630, PD634, PD636, PL621, PV6901
6. Sony: SNC-CH160, SNC-CH210, SNC-DH120, SNC-DH160
7. Vivotek: IP8151

Known Issue

1. There are few issues on newly-integrated Honeywell, Panasonic, Pixord, and Vivotek cameras, please check the appendix directly
2. **Dynacolor cameras are disconnected in v2.5 due to integration issue, which will be fixed in v2.5.2 (available on 2/15). Before v2.5.2 releases, the current workaround is downgrading to v2.4.1**
3. **Motion detection on most of ACTi cameras⁵ don't work properly under longtime duration, which will be fixed in v2.5.2**
4. **SANTEC dual stream function doesn't work sometimes, which will be fixed in v2.5.2**
5. **The connection speed of NV-4080S/4160S are relatively low than other models through WAN, which will be fixed in v2.5.2**

Remark

1. Language Sweden, Korean and Russian are removed from NV-4080 and NV-4160
2. There are two steps to install NVRmini application with Serbian interface:
 - Install application with any language
 - Execute LangPackSRL.exe from toolkit

³ NV-4080/4160: connect to NUUO wiki directly; other models: show the contents with some links to wiki

⁴ Not support on NV-4080 and NV-4160

⁵ Exception: ACM5811, ACM7511, AMU9401, TCD2100, TCM1231, TCM1511, TCM3001, TCM3011, TCM3411, TCM4201, TCM5001, TCM7011, TCM7811

NVRmini Release Note

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| SANTEC (1.3 Mega) | VGA~D1 | 1~3 | VGA~D1 | 0.3~0.8 |
| Sanyo HD1, HD3, HD4 | CIF~VGA | 3 | CIF~VGA | 1 |
| Sanyo HD2 | CIF~4 Mega | 0.1~3 | CIF~4 Mega | 0.1~3 |
| Sony | QCIF~Full HD | 0.1~10 | QCIF~Full HD | 0.1~10 |
| Videosec | QVGA | 5 | QQVGA | 5 |
| Vivotek 7000v2/8000 | CIF | 5 | QCIF | 2 |
| Vivotek 7000v2/8000 (megapixel) | CIF | 3 | QCIF | 3 |
| Zavio | CIF | 5 | QCIF | 3 |
| Zavio (megapixel) | CIF | 7 | CIF | 2 |

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NVRmini Release Note

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New Camera Support

Axis



| Device Name | Tested Firmware | Video Format | Video Ch | Max Resolution | Audio | I/O Ch | PTZ | On-Edge Motion | UPnP | Remarks |
|-------------|-----------------|-----------------|----------|----------------|-------|--------|-----|----------------|------|---------|
| M1113 | 5.08 | H.264 M-JPEG | 1 | 800x600 | - | - | Yes | Yes | Yes | * |
| P1343 | 5.06 | H.264 M-JPEG | 1 | 640x480 | 1-way | 1/1 | Yes | Yes | Yes | * |

Honeywell



| Device Name | Tested Firmware | Video Format | Video Ch | Max Resolution | Audio | I/O Ch | PTZ | On-Edge Motion | UPnP | Remarks |
|-------------|---|--------------|----------|----------------|-------|--------|-----|----------------|------|---------|
| ACUIX | 1.5.6 | MPEG4 | 1 | 4CIF | - | - | Yes | - | - | |
| Note: | Sometimes the PTZ function doesn't work properly due to camera FW; users have to restart to make it work. The speed of PTZ is not correspondent with camera web, which might be due to camera FW. | | | | | | | | | |
| HCD554IP | 5.4.5 | MPEG4 | 1 | 4CIF | 1-way | 0/1 | - | - | - | |
| Note: | Disable input function due to camera FW. | | | | | | | | | |
| HD3MDIP | 7.07 | MPEG4 | 1 | 1280x720 | 1-way | - | - | Yes | - | |
| HD4MDIP | 8.04 | MPEG4 | 1 | 1280x720 | 1-way | - | - | Yes | - | |
| HNVE1 | 6.3.4 | MPEG4 | 1 | 4CIF | 1-way | - | - | - | - | |
| Note: | Disable I/O function due to camera FW. | | | | | | | | | |
| Note: | HD3MDIP, HD4MDIP: Not support I/O currently. All models: Users may be confused because the username on login page of camera web is "administrator", but it's "admin" actually. If you type in "administrator", you are no longer to connect the cameras. | | | | | | | | | |

IQinVision





| Device Name | Tested Firmware | Video Format | Video Ch | Max Resolution | Audio | I/O Ch | PTZ | On-Edge Motion | UPnP | Remarks |
|-------------|--------------------|--------------|----------|----------------|-------|--------|-----|----------------|------|---------|
| IQA15N | V3.0/8(10070 2) | M-JPEG | 1 | 2560x1920 | - | 1/1 | - | Yes | - | |

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| Panasonic | | | | | | | | | | |
|---|--|--------------------------|----------|----------------|-------|--------|-----|----------------|------|---------|
|  | | | | | | | | | | |
| Device Name | Tested Firmware | Video Format | Video Ch | Max Resolution | Audio | I/O Ch | PTZ | On-Edge Motion | UPnP | Remarks |
| BL-C210 | 4.31R00 | H.264 MPEG4 M-JPEG | 1 | 640x480 | 1-way | - | Yes | Yes | Yes | |
| WJ-GXE500 | 1.03 | H.264 MPEG4 M-JPEG | 4 | 720x480 | 1-way | - | - | Yes | - | |
| Note: | Motion detection works abnormally when "face detection" function is enabled. Not support PTZ currently. | | | | | | | | | |
| WV-SF336 | 1.05 | H.264 MPEG4 M-JPEG | 1 | 1280x960 | 1-way | - | Yes | Yes | - | |
| Note: | Motion detection works abnormally when "face detection" function is enabled. | | | | | | | | | |
| WV-SP306 | 1.04 | H.264 MPEG4 M-JPEG | 1 | 1280x960 | 1-way | - | Yes | Yes | - | |
| Note: | Motion detection works abnormally when "face detection" function is enabled. | | | | | | | | | |
| PiXORD | | | | | | | | | | |
|  | | | | | | | | | | |
| Device Name | Tested Firmware | Video Format | Video Ch | Max Resolution | Audio | I/O Ch | PTZ | On-Edge Motion | UPnP | Remarks |
| P600 | 2.0.3_225 | H264 M-JPEG | 1 | 1600x1200 | 1-way | 2/1 | - | - | Yes | |
| P606 | 2.0.3_225 | H264 M-JPEG | 1 | 1600x1200 | 1-way | - | - | - | Yes | |
| PB630 | 2.0.3_225 | H264 M-JPEG | 1 | 640x480 | 1-way | - | - | - | Yes | |
| PD634 | 2.0.3_225 | H264 M-JPEG | 1 | 640x480 | 1-way | - | - | - | Yes | |
| PD636 | 2.0.0_1 | H.264 | 1 | 1600x1200 | - | - | - | - | Yes | |
| Note: | Limited integration: camera supports video stream of H.264/1600x1200/15fps only, no other features | | | | | | | | | |
| PL621 | 2.0.3_225 | H264 M-JPEG | 1 | 1600x1200 | 1-way | 1/1 | - | - | Yes | |
| PV6901 | 2.0.3_225 | H264 M-JPEG | 1 | 720x480 | 1-way | 1/1 | Yes | - | Yes | |
| Note: | Focus function doesn't work properly in FW v2.5, which will be fixed in next version. | | | | | | | | | |

NVRmini Release Note

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| Note: | <p>All models: Image is broken easily when modifying camera parameter.</p> <p>All models: Remove motion detection function because camera FW is not ready for it.</p> <p>All models: Camera is easily disconnected as two M-JPEG stream existed, so dual stream function is disabled. However, the issue is remained if connecting same camera twice.</p> |
|-------|---|

Sony



| Device Name | Tested Firmware | Video Format | Video Ch | Max Resolution | Audio | I/O Ch | PTZ | On-Edge Motion | UPnP | Camera Search Tool | Remarks |
|-------------|-----------------|--------------------------|----------|----------------|-------|--------|-----|----------------|------|--------------------|---------|
| SNC-CH160 | 1.13.00 | H.264 MPEG4 M-JPEG | 1 | 1280x1024 | - | 1/1 | - | Yes | - | Yes | |
| SNC-CH210 | 1.12.00 | H.264 MPEG4 M-JPEG | 1 | 2048x1536 | - | - | - | Yes | - | Yes | |
| SNC-DH120 | 1.12.03 | H.264 MPEG4 M-JPEG | 1 | 1280x1024 | - | - | - | Yes | - | Yes | |
| SNC-DH160 | 1.13.00 | H.264 MPEG4 M-JPEG | 1 | 1280x1024 | - | 1/1 | - | Yes | - | Yes | |

VIVOTEK



| Device Name | Tested Firmware | Video Format | Video Ch | Max Resolution | Audio | I/O Ch | PTZ | On-Edge Motion | UPnP | Remarks |
|-------------|-----------------|--------------------------|----------|----------------|-------|--------|-----|----------------|------|---------|
| IP8151 | 0200a | H.264 MPEG4 M-JPEG | 1 | 1280x1024 | 1-way | 1/1 | Yes | Yes | Yes | * |

| | |
|-------|--|
| Note: | <p>This camera FW is under testing by manufacturer, so there are two issues existed which should be fixed in the official release: video stream of M-JPEG is not continuous; there is an image problem on resolution 176x144 @H.264.</p> |
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Visit NUUO website for full supporting list:

<http://www.nuuo.com/download.php?node=554>