

Release Version 2.5 (2011/1/28)

New Features

1. **Support NUUO mobile client**
 - iPad
 - Android
2. **Multiple data sources of POS¹**
 - POS license + TCP Client
 - 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 shooting²
6. Compatible with Windows 7 64 bit
7. New language: Finnish, Hungarian, Serbian³

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 cameras⁴ 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**

¹ Not support on NV-4080 and NV-4160

² NV-4080/4160: connect to NUUO wiki directly; other models: show the contents with some links to wiki

³ Not support on NV-4080 and NV-4160

⁴ Exception: ACM5811, ACM7511, AMU9401, TCD2100, TCM1231, TCM1511, TCM3001, TCM3011, TCM3411, TCM4201, TCM5001, TCM7011, TCM7811

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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

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, 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

Eneo 1: GLS-1701/IR

Eneo 2: GLS-2104

Eneo 3: GLS-2301H

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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

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.									

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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(100702)	M-JPEG	1	2560x1920	-	1/1	-	Yes	-	

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	-	
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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	-	
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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	

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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.										
Note:	All models: Image is broken easily when modifying camera parameter. All models: Remove motion detection function because camera FW is not ready for it. 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.										

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:	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.										

Visit NUUO website for full supporting list:

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