

VACRON-CMS User's Manual **VACRON**
ADVANCES IN SECURITY SOLUTIONS

V2.00



Table of Contents

1.	Installation	1
1.1	System Requirements.....	1
1.2	Process of installation.....	1
2.	Start CMS	1
2.1	Run in Windows Vista 、 7.....	1
2.2	License Key Import	4
3.	Basic Configurations.....	8
3.1	Instruction of Main page.....	8
3.2	IP CAM Add 、 Edit 、 Delete IPCAM.....	9
3.3	System Setting	13
3.4	Live View.....	27
3.5	Map View	30
4.	Introduction of Special features.....	31
4.1	Swap Live-View channels by using a mouse to drag	31
4.2	Support multiple boot-up module	32
4.3	Support Remote NVR playback.....	33
4.4	Motion Detection.....	35
4.5	Vacron CMS Web	38



Precautions

Welcome to use VACRON' s IP Camera CMS Management system. This Manual will introduce Basic features to help you to familiar with this product. Please refer to "CMS USER' s MANUAL" in CD for other advance features.

This End-user License Agreement is a legally binding agreement between you (either an individual or a single entity) and our company for the software product, which may include associated software components, media, printed materials, and online or electronic documentation.

By installing, copying, or otherwise using the product covered by this EULA, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this EULA, do not install or use the product. The product is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. Note that the product is licensed to you, not sold. The license you have been granted is identified by the Software License Code on the License Certificate.

* Installation and Use *

The company hereby grants you the right to install and use the software product with the following restrictions:

1. The product may be installed on as many computers that meet the hardware and software requirements.
2. The product may only be used on computers running operating systems for which the product was designed.
3. You can and may only use the product in connection with video hardware equipment for which you have rightfully obtained the corresponding Device License Keys from our authorized dealer or the CD that ship with the equipment.

* Copyright *

All titles, including but not limited to copyrights, in and to the software product and any



copies thereof are owned by our company. All rights not expressly granted are reserved by our company.

*** No Warranties ***

The company expressly disclaims any warranty for the product when the software product and any related documentation is provided as is without warranty of any kind, either express or implied: without limitation, the implied warranties or merchantability, fitness for a particular purpose, or non-infringement.

Terms and Conditions

The entire risk arising out of use or performance of the software product remains with you as the user. You are notified that the product, when used with certain equipment or other software, may enable you to perform surveillance actions and data processing which are likely to be restricted by or contrary to applicable law, [including but not limit to data privacy and criminal law](#). The sole responsibility for verification of your use against compliance with applicable law lies with you as the user.

* Limitation of Liability *

The provisions of this paragraph are in effect to the maximum extent permitted by applicable law. In no event shall VACRON or its suppliers be liable for any special, incidental, indirect, or consequential damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or inability to use the software product or the provision of or failure to provide proper support, even if our company has been advised of the possibility of such damages. Absent any willful misconduct or gross negligence, VACRON's entire liability under any provision of this agreement shall be limited to the amount actually paid by you for the product.

* Miscellaneous *

(a) You may make as many copies of the software product as may be necessary for backup and archival purposes.

(b) You may distribute copies of the software product to third parties.

(c) You may not reverse engineer, decompile, or disassemble any of the software product's components except to the extent permitted by applicable law which cannot be contractually waived.

(d) You may permanently transfer all of your rights for this product, provided the recipient agrees to the terms of this agreement.

* Termination *

Without prejudice to any other rights, our company may terminate this license agreement if you fail to comply with its terms and conditions. In such event you must destroy all copies of the software product.



1. Installation

1.1 System Requirements

Minimum system requirement

Hardware Requirement		
CPU	16 channel or above	32 channel or above
	Intel Core i5 or above	Intel Core i7 or above
RAM	16 channel or above	32 channel or above
	4GB or above is recommended	8GB or above is recommended
HDD	SATA 200GB or above is recommended	
Display card	Independent display card with 1GB RAM or above is suggested	
DPI	Make sure your display DPI setting is set to 96DPI	
Ethernet interface	100Mb Ethernet card or above	
Software Requirement		
OS	Windows XP, Windows Vista, and Windows 7, Windows 8	

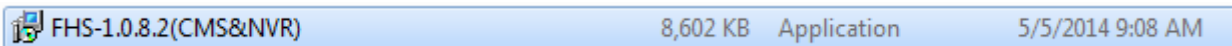
Installation CD Contents

- CMS Installation File
- User' s Manual
- IP Searcher

IP Searcher (Device search software for VACRON IPCAM, NVR, DVR, etc...)

1.2 Process of installation

Execute FHS-X.X.X.(CMS&NVR).exe installation application



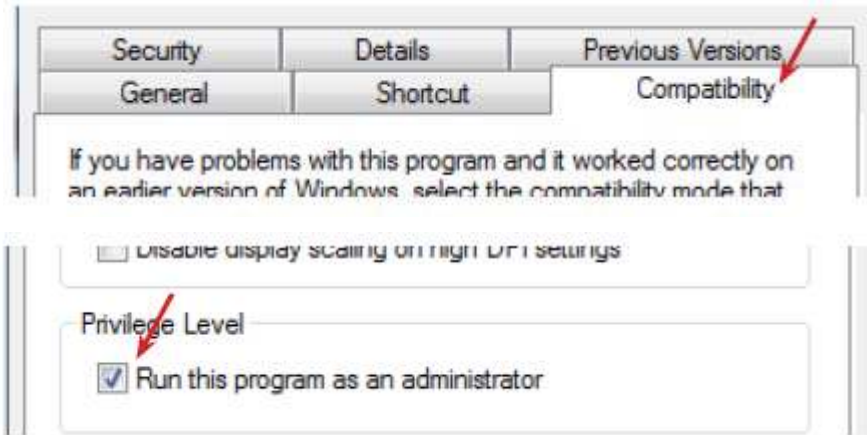
2. Start CMS

2.1 Run in Windows Vista · 7

Due to the UAC (User Access Control) function in Windows Vista or Windows 7, the software would need to be run under the "Administrator" privilege. If you are lower than "Administrator" privilege level, you must follow the instructions below when every time you start the program: (Windows XP don' t need this setting.)



Right-click the Driver Execution program **NetMonitor...** on desktop, click on the "Properties" option and change "Privilege Level" by enable "Run this program as an Administrator" in "Compatibility" page.



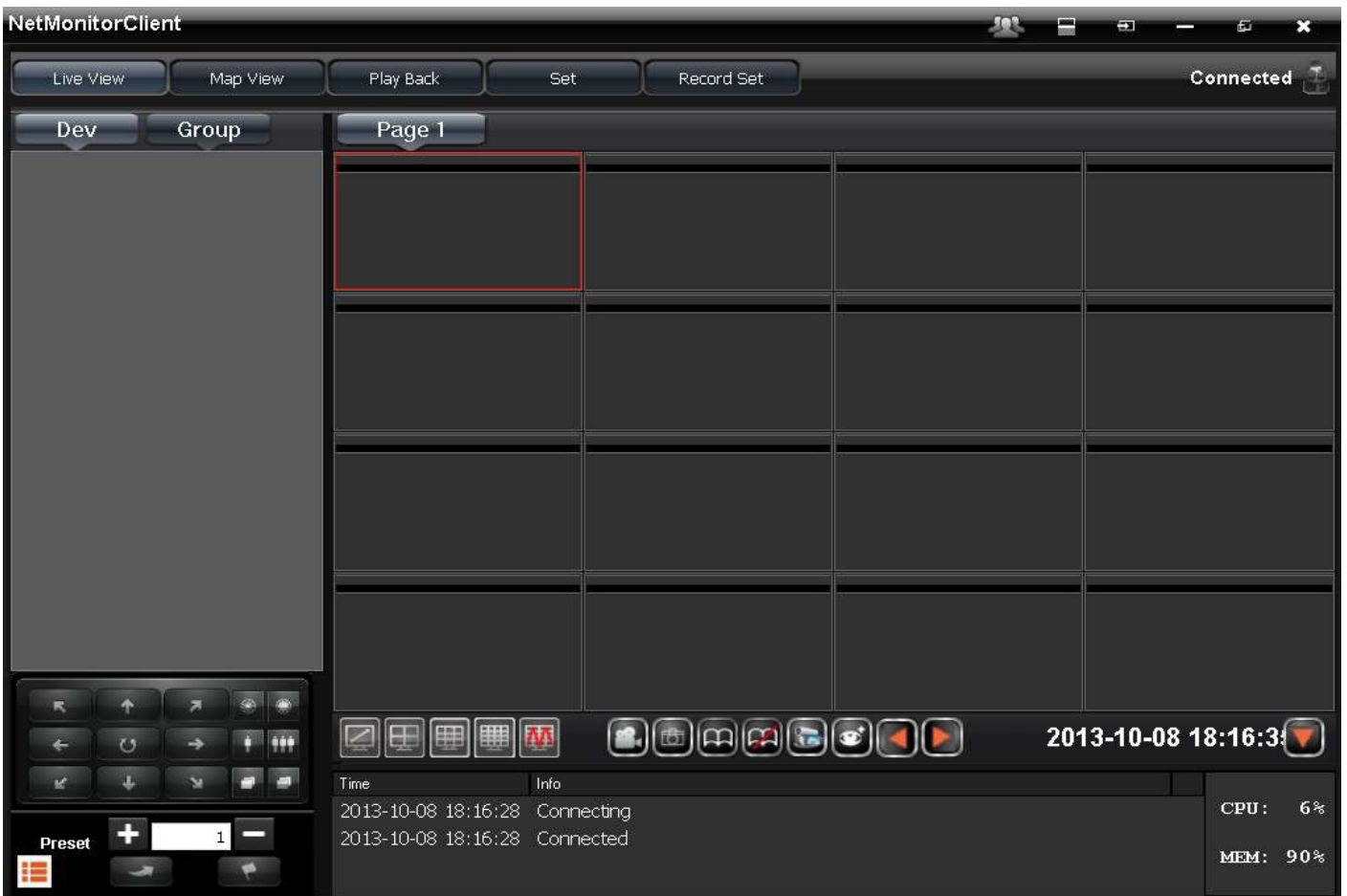


➤ You will see login window popup, application will login automatically.

Application will login automatically at the first time execution system. After the configuration of user account is completed, input user account and password is required to login the system.



The default startup window at the first time login is as below.





2.2 License Key Import

2.2.1 Default startup,click Set>Import License

2.2.2 Import File,click Browse...>choose License key>Input Import File

UserName&Password

NetMonitorClient

Live View | Map View | Play Back | Set | Record Set | Connected

Device manage

user Manage

Local Set

NetWork

Map

Web Control

Import License **1**

BuildTime: 2014-05-08 10:48:14

Max Record Ch Count: 4

Version:1.0.8.3

Import License Key

Import File: E:\Joyce\IP CAM\CMS\License Key\GenCMSLicenseKey-new\NVR64chLu\CMS | Browse...

Content:

Import File User Confirm

Import File User Confirm:

Import File UserName:

Import File Password:

OK **2** | Cancel

Import



2.2.3 Make sure content is correct and click Import button, then relogin, finish License Import

The screenshot displays the NetMonitorClient application window. The main interface includes a top navigation bar with buttons for 'Live View', 'Map View', 'Play Back', 'Set', and 'Record Set'. A 'Connecting' status indicator is visible in the top right corner. On the left side, there is a vertical menu with buttons for 'Device manage', 'user Manage', 'Local Set', 'NetWork', 'Map', 'Web Control', and 'Import License'. The 'Import License' button is highlighted. The main content area shows the 'Import License Key' dialog box with the following fields:

- Import File: E:\Joyce\IP CAM\CMS\License Key\GenCMSLicenseKey-new\64chCMS30days
- Content: Version : Central Monitoring Station
Max License Num : 64
Expire Date : 2014-06-20

A red circle with the number '3' is placed over the 'Import License' button. An error dialog box is overlaid on the main window, containing the following text:

NetMonitorClient
The Program Function have been changed, It will be stop
.Please restart the program!

The error dialog box has a '確定' (OK) button at the bottom right.

BuildTime: 2014-05-08 10:48:14
Max Record Ch Count: 4
Version:1.0.8.3



2.2.4 CMS Check

- No Record Set tab
- Max Record Ch Count change

The screenshot shows the NetMonitorClient interface with several settings panels. A red circle highlights the 'Set' button in the top navigation bar. A yellow callout bubble points to the 'Page3' tab, stating 'No Record Set Tab'. Another yellow callout bubble points to the 'Max Channel Count Over 64ch' setting in the 'Cycle Page' section, which is currently set to 10. A third yellow callout bubble points to the 'Max Channel Count: 100' text in the bottom left corner, which is circled in red. The interface includes sections for Video Buffer Setting, Remote Playback Backup Setting, Record AVI Setting, Snapshot Setting, and Cycle Page. The bottom left corner displays 'BuildTime: 2014-05-08 10:48:14' and 'Version:1.0.8.3'. The top right corner shows 'License Expire until 2014-06-20'.



2.2.5 Display License Expire date

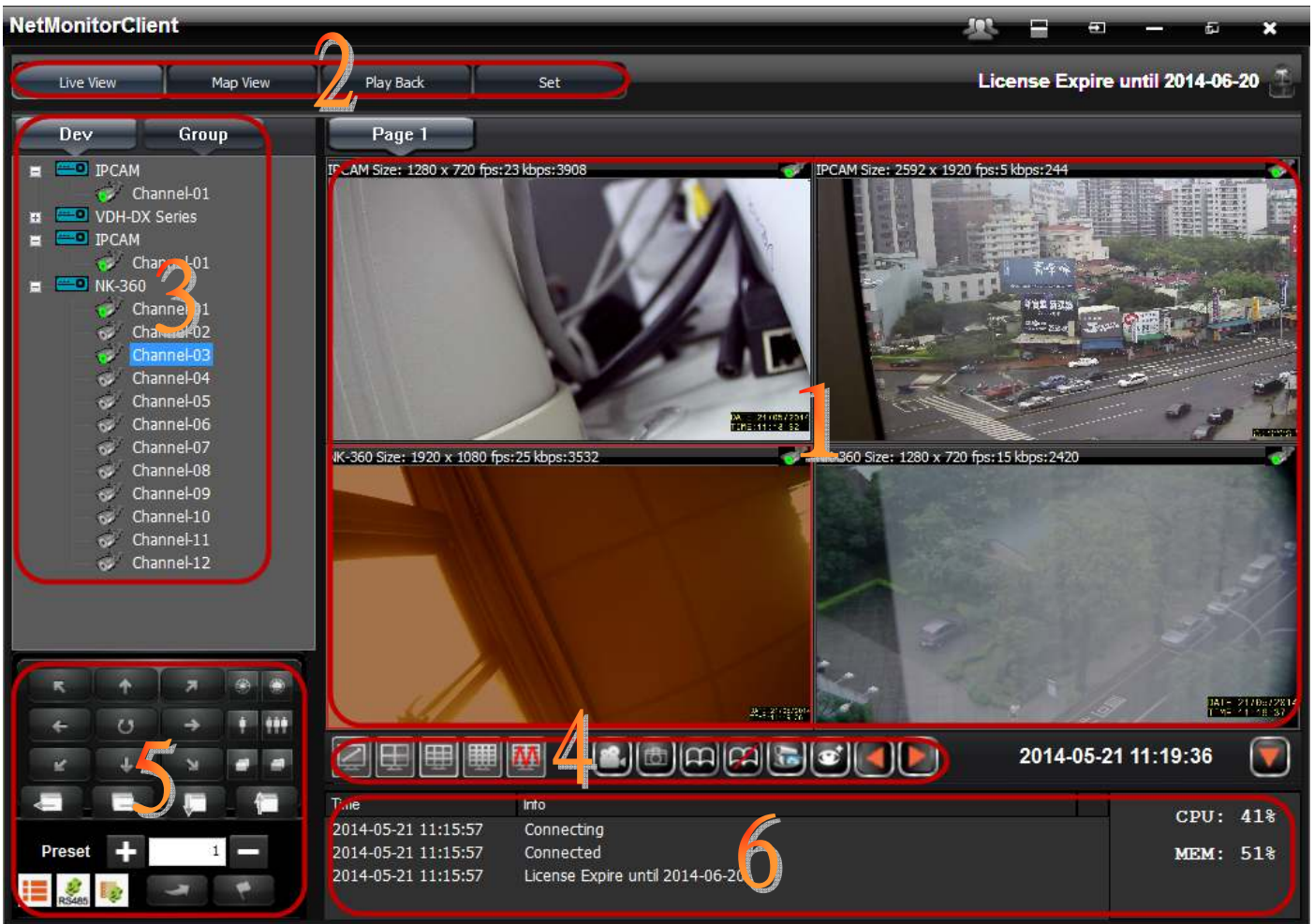
The screenshot shows the NetMonitorClient interface. At the top right, a status bar displays "License Expire until 2014-06-20" in a red-bordered box. The main area is divided into a left sidebar with a device list (IPCAM, VDH-DX Series, IPCAM, NK-360) and a central display area labeled "Page 1". At the bottom, a log table shows the following entries:

Time	Info
2014-05-21 11:15:57	Connecting
2014-05-21 11:15:57	Connected
2014-05-21 11:15:57	License Expire until 2014-06-20

Additional interface elements include a top navigation bar with "Live View", "Map View", "Play Back", and "Set" buttons; a bottom control panel with a keyboard layout and a "Preset" section; and a system status area on the bottom right showing "CPU: 11%" and "MEM: 52%". The current time is displayed as "2014-05-21 11:42:13".

3. Basic Configurations

3.1 Instruction of Main page



Instruction of sections

Section 1.

It displays the Main live-view windows of CMS system. Window can be split to multiple windows by choose different split modes in Section 4, and each channel can display image size and bit rate on the top of live-view image.

Section 2

This is the main menu of CMS, includes configuration pages of "Live-View", "Map View", "Play Back", "Set", "Record Set"

Section 3

All available IP CAMs are listed in this section, parameter setting and playback in live-view window can be configured here. By right-click on IP CAM, the chosen IP CAM can do AVI recording and image Capture.

Section 4

Different Split modes of Live-View can be chosen in this section. Switch between different pages of Live-View can be configured here, too.

Section 5

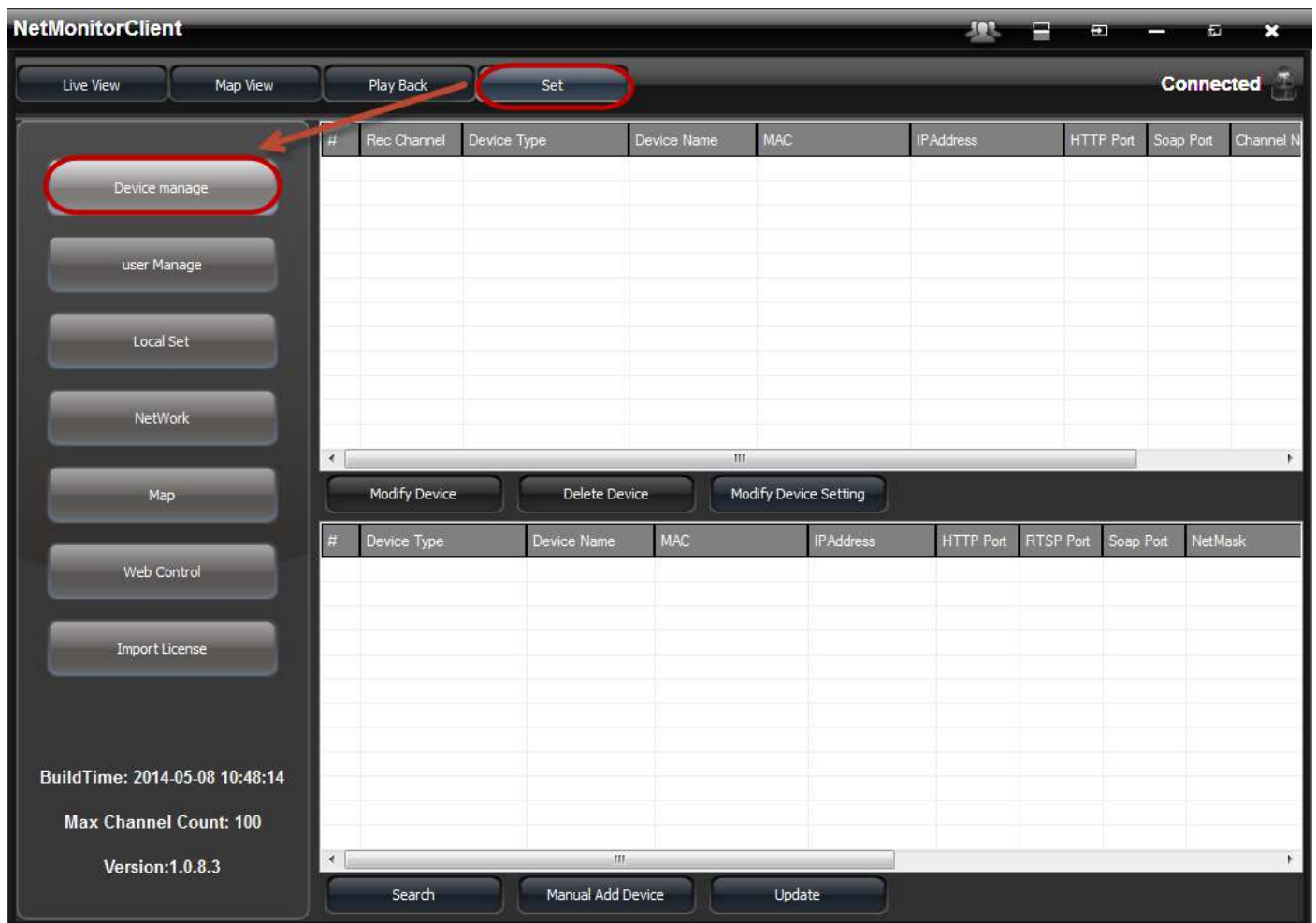
Create Preset Point and adjust Focus of IPCAMs with PTZ feature can be done in this section.

Section 6

This section can display real-time feedback and message of CMS log.

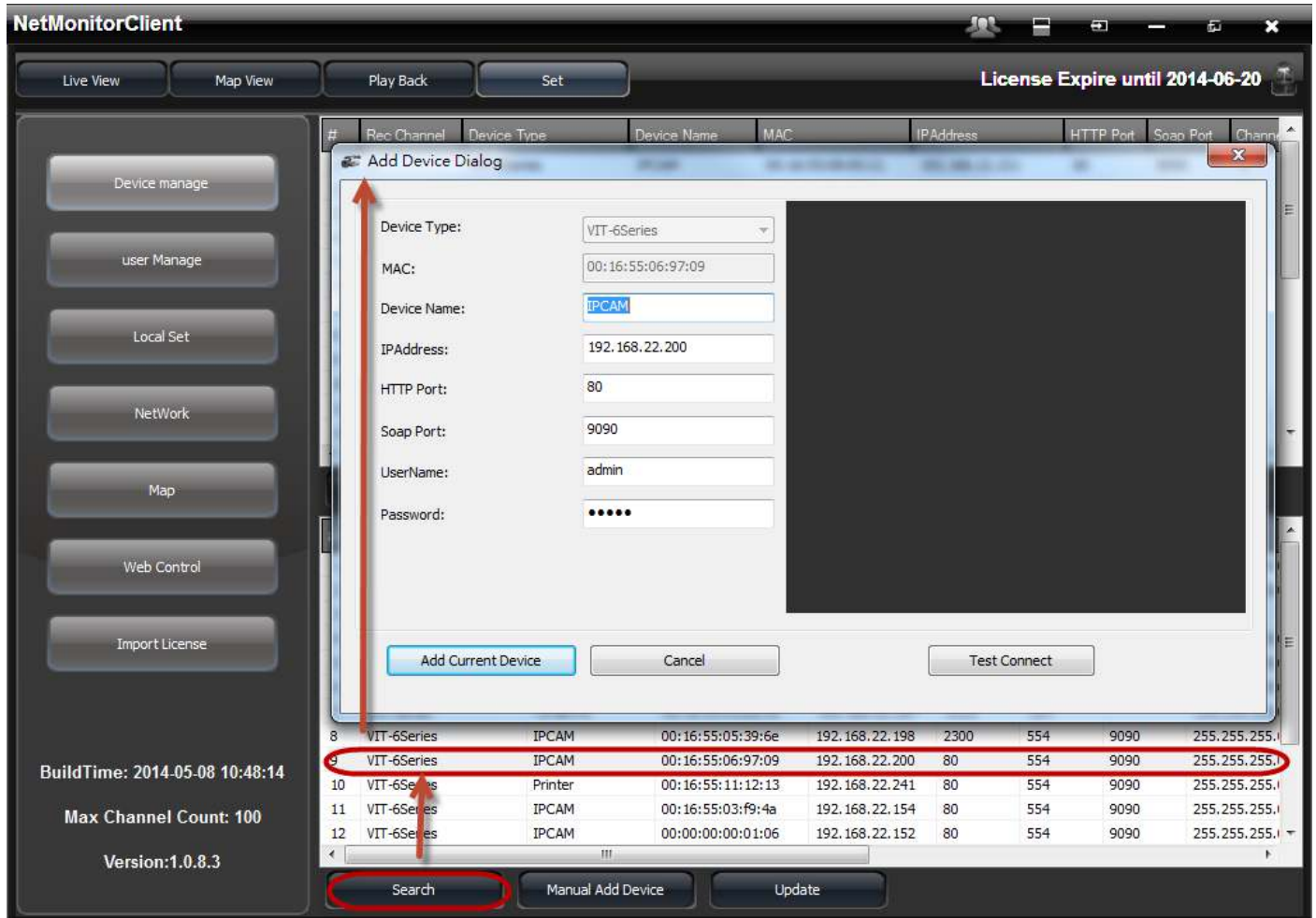
3.2 IP CAM Add 、 Edit 、 Delete IPCAM

Device Manage : click "Set" button on top of the window , then click "Device Manage" to access IP CAM search page.

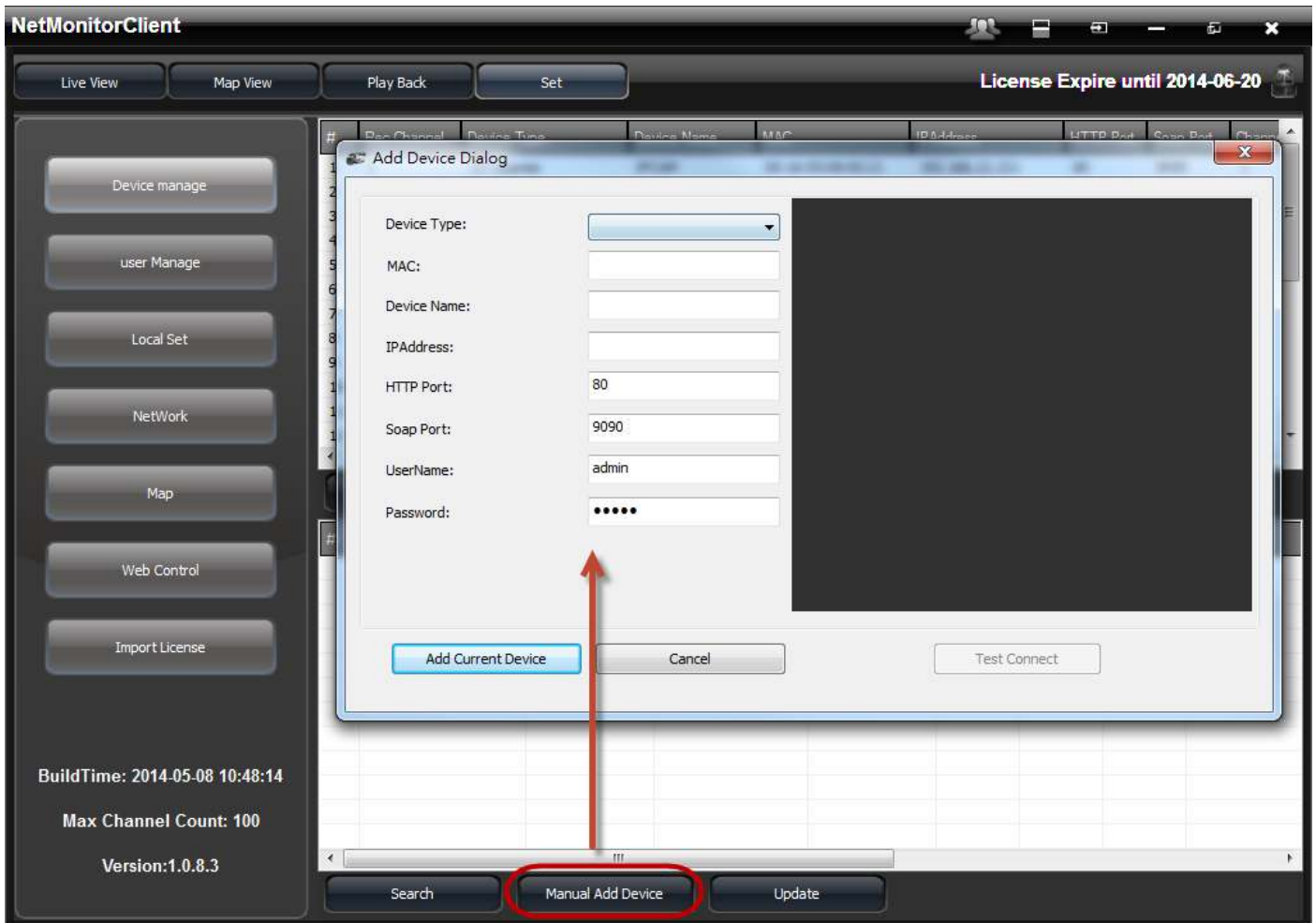


- **Add IPCAM – Search** : To add a new camera, click on the "Search" at the bottom to search all available cameras.

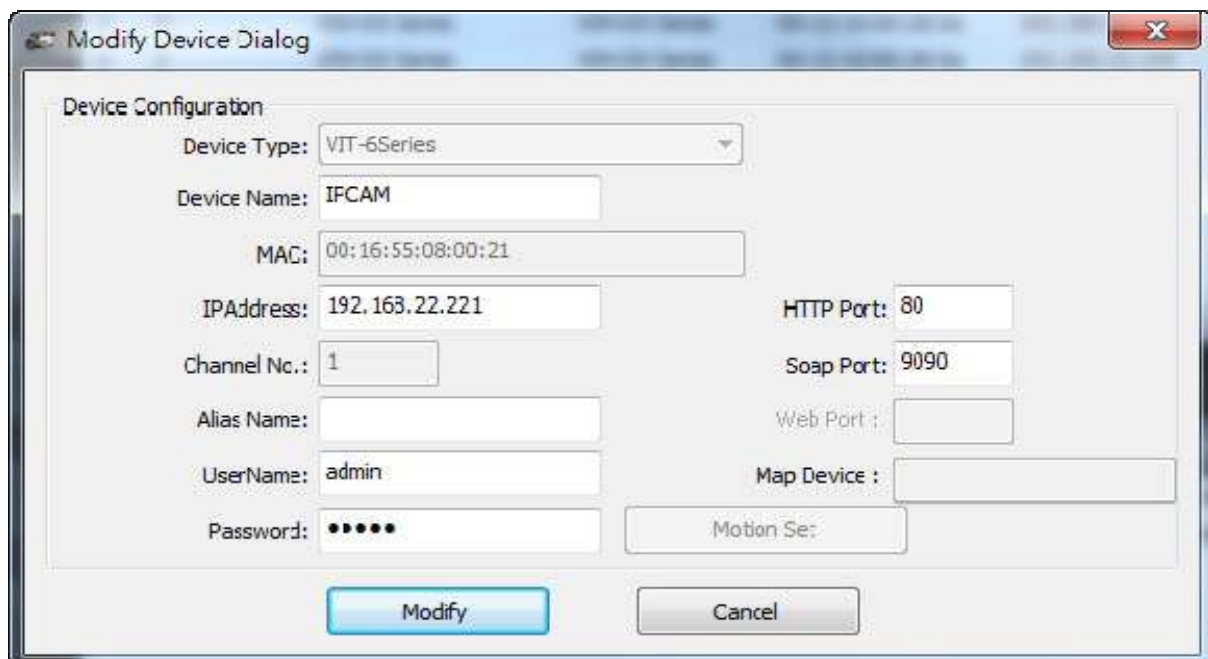
Double-click IP CAM that is listed at the bottom of the window to display the IP CAM setting page. After configuration of username and password is completed correctly, click "Add Current Device" to add this IP CAM.



- **Add IPCAM –Manual Add Device** : Click "Manual Add Device" can add complete product line of VACRON manually. After configuration of "Device Type" , "IP Address" , and Username/Password in drop-down menu is completed correctly, click "Add Current Device" to add this Device.



- **Edit IPCAM** : Fill in the fields you want to modify, click "Modify" to save it





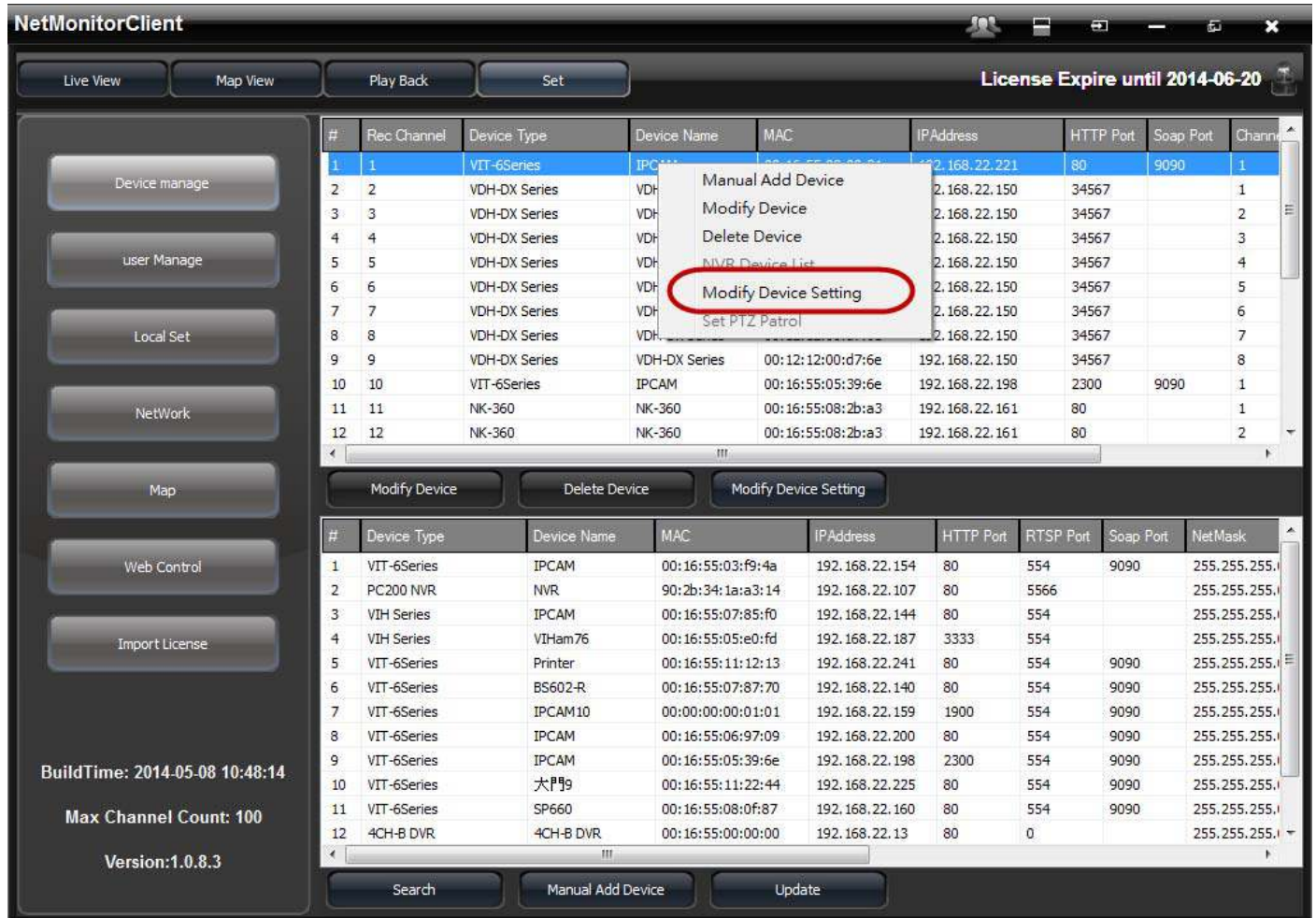
- Delete IPCAM



3.3 System Setting

3.3.1 Device Manage

- Modify Device Setting : click Modify Device Setting, a Device Setting window will popup.



NetMonitorClient

Live View | Map View | Play Back | Set | License Expire until 2014-06-20

#	Rec Channel	Device Type	Device Name	MAC	IP Address	HTTP Port	Soap Port	Channel
1	1	VIT-6Series	IPCAM	00:16:55:03:f9:4a	192.168.22.221	80	9090	1
2	2	VDH-DX Series	VDH-DX Series	00:16:55:05:39:6e	192.168.22.150	34567		1
3	3	VDH-DX Series	VDH-DX Series	00:16:55:05:39:6e	192.168.22.150	34567		2
4	4	VDH-DX Series	VDH-DX Series	00:16:55:05:39:6e	192.168.22.150	34567		3
5	5	VDH-DX Series	VDH-DX Series	00:16:55:05:39:6e	192.168.22.150	34567		4
6	6	VDH-DX Series	VDH-DX Series	00:16:55:05:39:6e	192.168.22.150	34567		5
7	7	VDH-DX Series	VDH-DX Series	00:16:55:05:39:6e	192.168.22.150	34567		6
8	8	VDH-DX Series	VDH-DX Series	00:16:55:05:39:6e	192.168.22.150	34567		7
9	9	VDH-DX Series	VDH-DX Series	00:12:12:00:d7:6e	192.168.22.150	34567		8
10	10	VIT-6Series	IPCAM	00:16:55:05:39:6e	192.168.22.198	2300	9090	1
11	11	NK-360	NK-360	00:16:55:08:2b:a3	192.168.22.161	80		1
12	12	NK-360	NK-360	00:16:55:08:2b:a3	192.168.22.161	80		2

Buttons: Device manage, user Manage, Local Set, NetWork, Map, Web Control, Import License

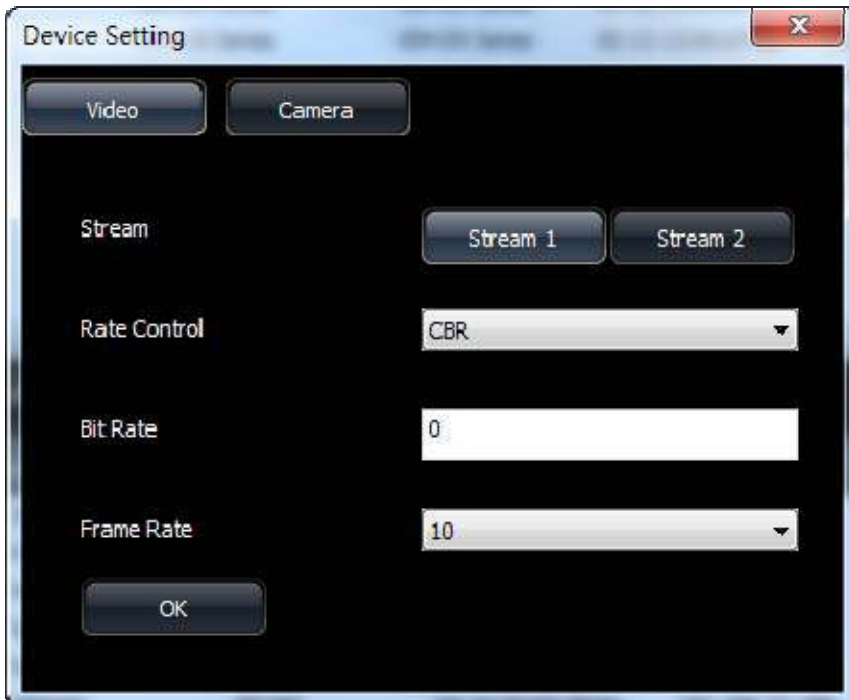
BuildTime: 2014-05-08 10:48:14
Max Channel Count: 100
Version:1.0.8.3

#	Device Type	Device Name	MAC	IP Address	HTTP Port	RTSP Port	Soap Port	NetMask
1	VIT-6Series	IPCAM	00:16:55:03:f9:4a	192.168.22.154	80	554	9090	255.255.255.0
2	PC200 NVR	NVR	90:2b:34:1a:a3:14	192.168.22.107	80	5566		255.255.255.0
3	VIH Series	IPCAM	00:16:55:07:85:f0	192.168.22.144	80	554		255.255.255.0
4	VIH Series	VIHam76	00:16:55:05:e0:fd	192.168.22.187	3333	554		255.255.255.0
5	VIT-6Series	Printer	00:16:55:11:12:13	192.168.22.241	80	554	9090	255.255.255.0
6	VIT-6Series	BS602-R	00:16:55:07:87:70	192.168.22.140	80	554	9090	255.255.255.0
7	VIT-6Series	IPCAM10	00:00:00:00:01:01	192.168.22.159	1900	554	9090	255.255.255.0
8	VIT-6Series	IPCAM	00:16:55:06:97:09	192.168.22.200	80	554	9090	255.255.255.0
9	VIT-6Series	IPCAM	00:16:55:05:39:6e	192.168.22.198	2300	554	9090	255.255.255.0
10	VIT-6Series	大門口	00:16:55:11:22:44	192.168.22.225	80	554	9090	255.255.255.0
11	VIT-6Series	SP660	00:16:55:08:0f:87	192.168.22.160	80	554	9090	255.255.255.0
12	4CH-B DVR	4CH-B DVR	00:16:55:00:00:00	192.168.22.13	80	0		255.255.255.0

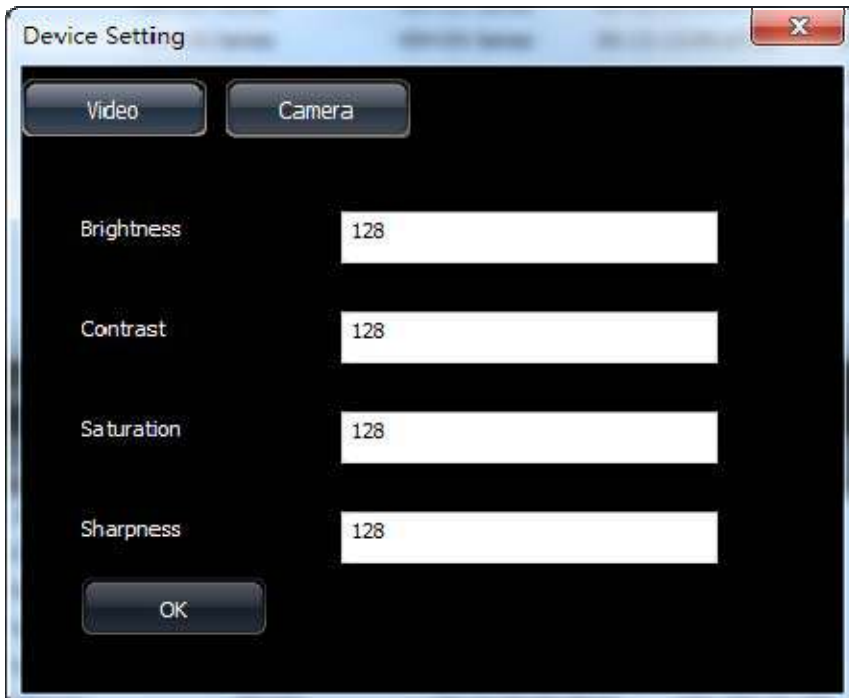
Buttons: Search, Manual Add Device, Update



- Video : Set Stream 、 Rate Control 、 Bit Rate 、 Frame Rate

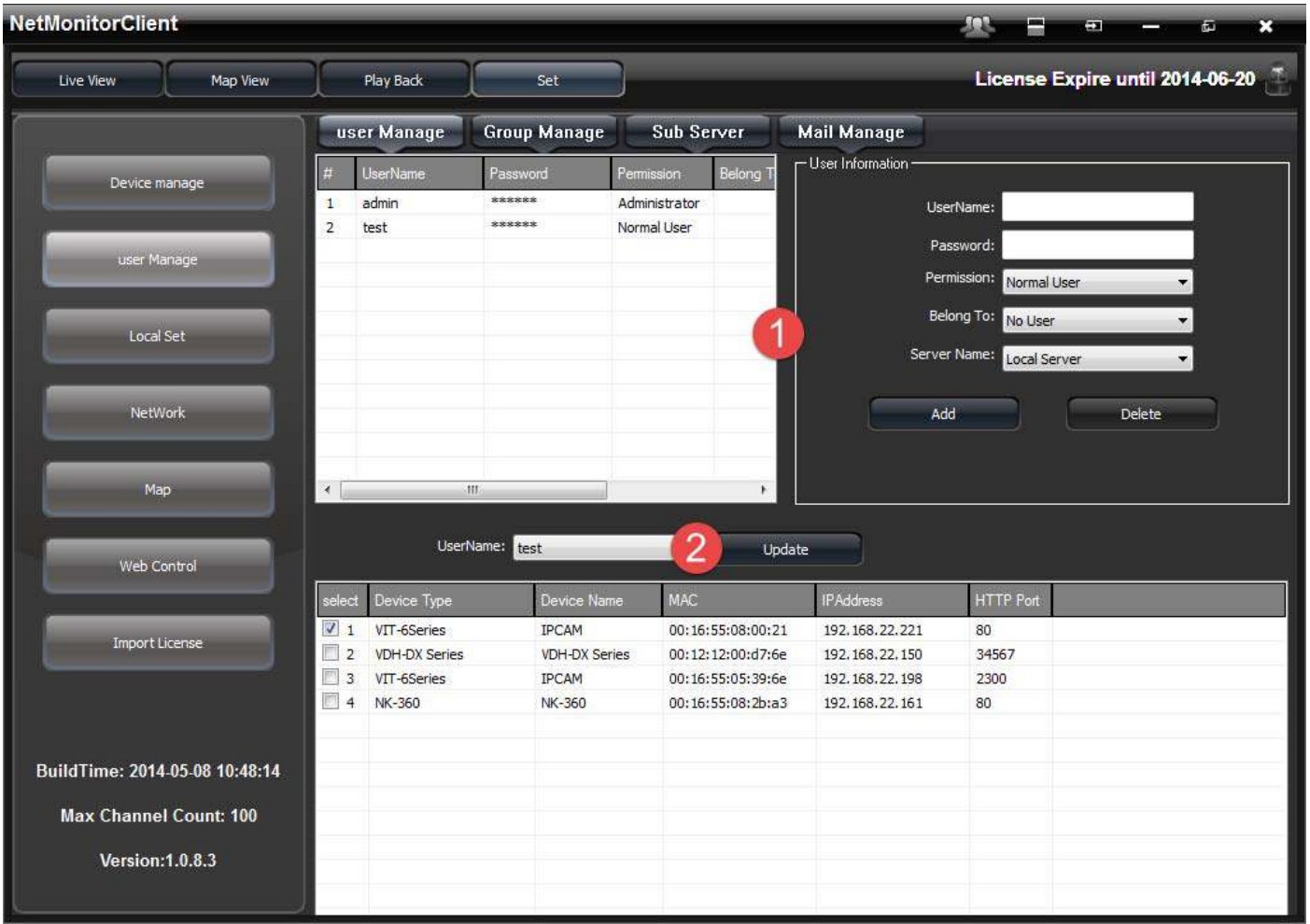


- Camera : Set Brightness 、 Contrast 、 Saturation 、 Sharpness



3.3.2 User Manage

- User Manage



NetMonitorClient License Expire until 2014-06-20

Live View | Map View | Play Back | Set

user Manage | Group Manage | Sub Server | Mail Manage

#	UserName	Password	Permission	Belong To
1	admin	*****	Administrator	
2	test	*****	Normal User	

User Information:

UserName:

Password:

Permission: Normal User

Belong To: No User

Server Name: Local Server

Add | Delete

UserName: test Update

select	Device Type	Device Name	MAC	IPAddress	HTTP Port
<input checked="" type="checkbox"/>	VIT-6Series	IPCAM	00:16:55:08:00:21	192.168.22.221	80
<input type="checkbox"/>	VDH-DX Series	VDH-DX Series	00:12:12:00:d7:6e	192.168.22.150	34567
<input type="checkbox"/>	VIT-6Series	IPCAM	00:16:55:05:39:6e	192.168.22.198	2300
<input type="checkbox"/>	NK-360	NK-360	00:16:55:08:2b:a3	192.168.22.161	80

BuildTime: 2014-05-08 10:48:14
Max Channel Count: 100
Version:1.0.8.3

User Manage – Add User

User Information

UserName:

Password:

Permission: Normal User

Belong To: No User

Server Name: Local Server

Add | Delete

User Manage – Set Device Belong to which user

UserName: test Update

select	Device Type	Device Name	MAC	IPAddress	HTTP Port
<input checked="" type="checkbox"/>	VDH-DX Series	VDH-DX Series	00:12:10:00:28:5a	192.168.22.135	34567



- Group Manage

User can configure Group of Live-View in "Group Manage" page. So that targets that have the same property or the same area can be managed easier. Create Groups at the right side of the page firstly, and then configure Groups for IPCAMs by choosing from drop menu at the bottom of the page.

NetMonitorClient

Live View | Map View | Play Back | **Set** | License Expire until 2014-06-20

user Manage | **Group Manage** | Sub Server | Mail Manage

Device manage | **user Manage** | Local Set | NetWork | Map | Web Control | Import License

BuildTime: 2014-05-08 10:48:14
Max Channel Count: 100
Version:1.0.8.3

#	Group ID	Group Name
1	test	test

Group Information

Group ID:
Group Name:

Add Delete

#	Rec Channel	Device Type	Device Name	Belong Group
1	1	VIT-6Series	IPCAM	test
2	2	VDH-DX Ser...	VDH-DX S...	
3	3	VDH-DX Ser...	VDH-DX S...	test
4	4	VDH-DX Ser...	VDH-DX S...	
5	5	VDH-DX Ser...	VDH-DX S...	
6	6	VDH-DX Ser...	VDH-DX S...	
7	7	VDH-DX Ser...	VDH-DX S...	
8	8	VDH-DX Ser...	VDH-DX S...	
9	9	VDH-DX Ser...	VDH-DX S...	
10	10	VIT-6Series	IPCAM	test
11	11	NK-360	NK-360	
12	12	NK-360	NK-360	
13	13	NK-360	NK-360	
14	14	NK-360	NK-360	



In "LiveView" tab, choose "group", Device will show by group name

The screenshot shows the NetMonitorClient interface. At the top, there are tabs for "Live View", "Map View", "Play Back", and "Set". The "Live View" tab is selected. Below the tabs, there is a "Group" dropdown menu. A list of channels is visible on the left, including "005: [VDH-D: Series Channel-1]" through "022: [NK-360 Channel-12]", and a "test" group containing "001: [IPCAM Channel-01]" and "010: [IPCAM Channel-01]". The main display area shows two video feeds: a wide-angle street view and a close-up of a person's face. The bottom status bar displays the time "2014-05-21 10:36:26", system resources "CPU: 31%" and "MEM: 49%", and a log of connection events.

Time	Info	CPU	MEM
2014-05-21 10:34:25	Connecting	31%	49%
2014-05-21 10:34:25	Connected		
2014-05-21 10:34:25	License Expire until 2014-06-20		



- Sub Server

Add · Modify sub server name · ip address

The screenshot shows the NetMonitorClient application window. At the top, there are buttons for 'Live View', 'Map View', 'Play Back', and 'Set'. A license expiration notice reads 'License Expire until 2014-06-20'. Below these are tabs for 'user Manage', 'Group Manage', 'Sub Server', and 'Mail Manage'. The 'Sub Server' tab is active, displaying a table with one entry:

#	Server Name	Server Address	Tcp Port
1	test	192.168.22.53	23680

To the right of the table is a 'Server Information' form with the following fields:

- Server Name: test
- Sub Server Address: 192.168.22.10
- Tcp Port: 23680
- Udp Port: 23681
- Transfer TCP Port: 23889
- Transfer UDP Port: 23683
- Record Playback Port: 19810

At the bottom of the form are 'Add' and 'Delete' buttons. On the left side of the interface, there is a vertical menu with buttons for 'Device manage', 'user Manage', 'Local Set', 'NetWork', 'Map', 'Web Control', and 'Import License'. At the bottom left, the following information is displayed:

BuildTime: 2014-05-08 10:48:14
Max Channel Count: 100
Version:1.0.8.3



- Mail Manage

Set which events need to send e-mail notifications

The screenshot shows the NetMonitorClient web interface. At the top, there are navigation buttons: Live View, Map View, Play Back, and Set. A notification banner at the top right reads "Add Device Operate Succeeded!". Below this are tabs for user Manage, Group Manage, Sub Server, and Mail Manage. The Mail Manage tab is active, displaying the "Email Setting" configuration page. On the left side, there is a sidebar with buttons for Device manage, user Manage, Local Set, NetWork, Map, Web Control, and Import License. At the bottom left of the sidebar, it shows "BuildTime: 2014-05-08 10:48:14", "Max Channel Count: 100", and "Version:1.0.8.3".

The "Email Setting" configuration page includes the following fields and options:

- Email Notify:
- SMTP Server: smtp.gmail.com
- SMTP Port: Use TLS (dropdown), 587
- Email Account: test@gmail.com
- Email Password: [masked]
- Email Address: fuho@fuho.com.tw
- Email Test: [button]
- (Fill multiple simultaneous email address, please ';' to separate up to 1024 characters.)
- Email Option list:
 - Motion Detection Event
 - Motion Detection Event Stop
 - Alarm 1 Detection Event
 - Alarm 2 Detection Event
 - Device Disconnect
 - Video Loss
- Refresh, Save, Default: [buttons]



3.3.3 System setting

Click "Set" button on the top of the main MENU to access the configuration page of system set.

- There are 3 pages to configure different features when user clicks the left list of "Local Set" .

Backup format, Record AVI Path, Snapshot Path, Auto-Change Duration of Live-View Cycle page, and language can be configured in page 1.

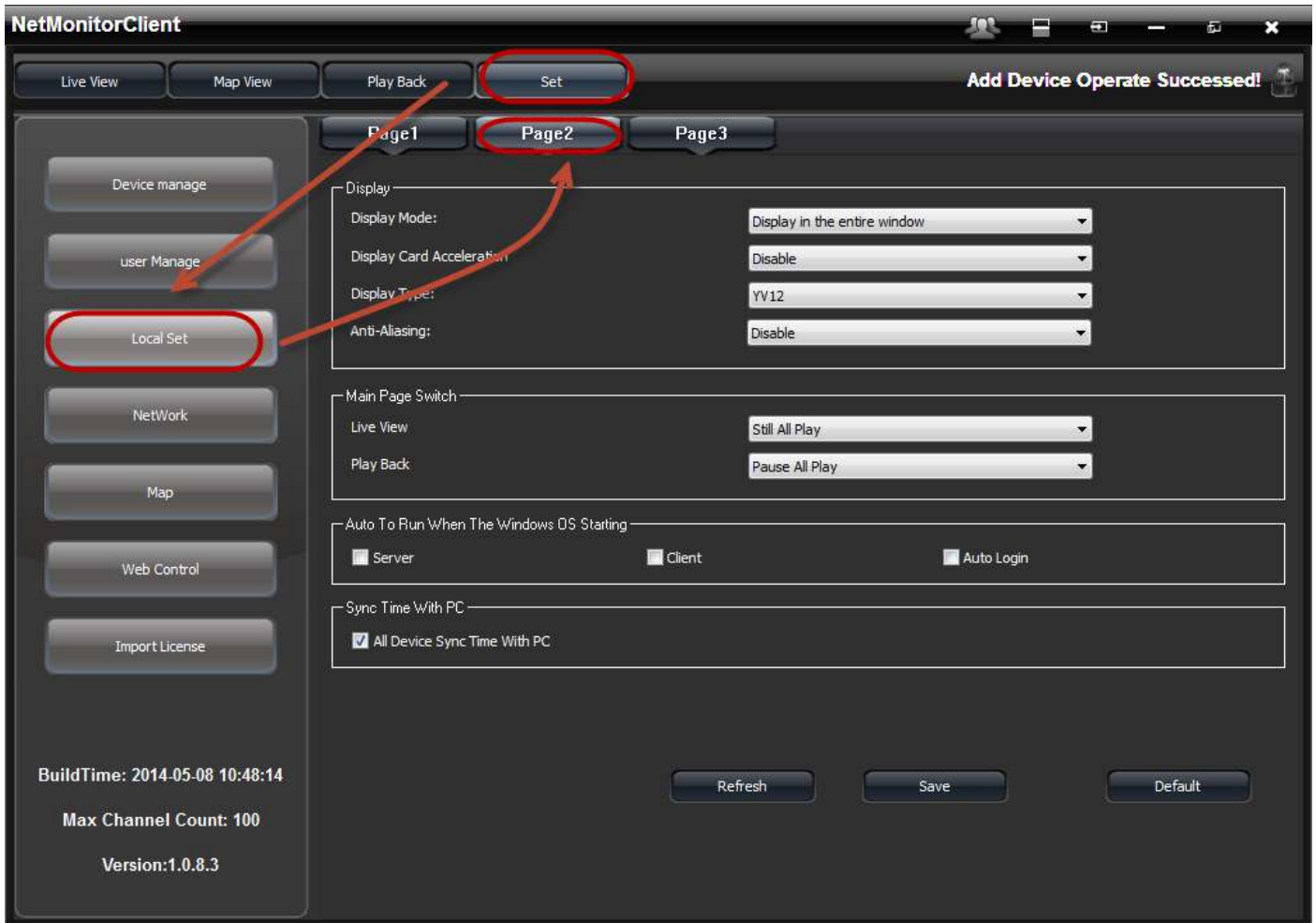
The screenshot displays the NetMonitorClient application window. At the top, there are navigation buttons: Live View, Map View, Playback, and Set (highlighted with a red circle). A notification in the top right corner reads "Add Device Operate Succeeded!". Below the navigation bar are three tabs: Page1 (highlighted with a red circle), Page2, and Page3. On the left sidebar, there are several menu items: Device manage, user Manage, Local Set (highlighted with a red circle), NetWork, Map, Web Control, and Import License. The main content area is divided into several sections:

- Video Buffer Setting:** Includes a slider for Real-Time (set to Real-Time) and Smooth, with a note: "Note: More buffer times has more delay, but more smoothing."
- Remote Playback Backup Setting:** Includes a dropdown for Backup Format set to AVI.
- Record AVI Setting:** Includes fields for Record AVI Path (C:\Users\Joyce\Documents\NetMonitorClient\Record\), Record AVI Duration(Seconds) (900), and Disk Free Space(MB) (300). Total Space is 170,603 MB.
- Snapshot Setting:** Includes a field for Snapshot Path (C:\Users\Joyce\Documents\NetMonitorClient\Snapshot) and a checked checkbox for "Open Path After Snapshoted".
- Cycle Page:** Includes a field for Auto-Change Duration(Seconds) set to 10.
- Language:** Includes a dropdown menu set to English.

At the bottom of the interface are three buttons: Refresh, Save, and Default. In the bottom left corner, the following information is displayed: BuildTime: 2014-05-08 10:48:14, Max Channel Count: 100, and Version:1.0.8.3.



- Graphic Card support options, run CMS to see live-view and record video when Windows start, and Sync time on all devices with PC can be configured in page 2.





- Alarm type and Alarm Duration time can be configured in page 3.

The screenshot displays the NetMonitorClient web interface. At the top, there are navigation tabs: Live View, Map View, Play Back, and Set (highlighted with a red circle). A notification in the top right corner reads "Add Device Operate Succeeded!". Below the navigation tabs are three page tabs: Page1, Page2, and Page3 (highlighted with a red circle). The main content area is divided into sections: Alarm Setting, Popup Setting, Alarm Type, and Group Setting. The Alarm Setting section includes "Alarm Duration Time(Second):" with a text input field containing "5" and "Alarm Audio:" with a dropdown menu set to "Off". The Popup Setting section has three radio button options: "Do nothing", "Do not popup window", and "Popup window and closed after" (selected), which is followed by a text input field containing "30" and the text "seconds (set to 0 for always)". The Alarm Type section contains four checkboxes: "Device Disconnect Alarm", "Device Reconnect Alarm", "Motion Detect Alarm" (checked), "GPIO Detect Alarm" (checked), and "System Alarm" (checked). The Group Setting section has one checkbox: "Enable group LivePlay" (unchecked). At the bottom of the main content area are three buttons: Refresh, Save, and Default. On the left side, there is a sidebar with buttons for "Device manage", "user Manage", "Local Set" (highlighted with a red circle), "NetWork", "Map", "Web Control", and "Import License". At the bottom left, the interface shows "BuildTime: 2014-05-08 10:48:14", "Max Channel Count: 100", and "Version:1.0.8.3".



3.3.4 Network

Modify the network port will restart the server and need to login again.

The screenshot shows the NetMonitorClient web interface. At the top, there are navigation buttons: Live View, Map View, Play Back, and Set. A notification in the top right corner reads "Add Device Operate Succeeded!". The main content area is divided into three sections: "Descript" with the text "Modify the network port will restart the server and need to login again"; "Internet Port" with input fields for TcpPort (23680), UdpPort (23681), Transfer TCP Port (23889), and Record Playback Port (19810); and "Intranet port" with an input field for Transfer UDP Port (23683). At the bottom of the configuration area are buttons for Refresh, Save, and Default. On the left side, there is a vertical menu with buttons for Device manage, user Manage, Local Set, NetWork, Map, Web Control, and Import License. At the bottom left, system information is displayed: BuildTime: 2014-05-08 10:48:14, Max Channel Count: 100, and Version:1.0.8.3.

3.3.5 Map

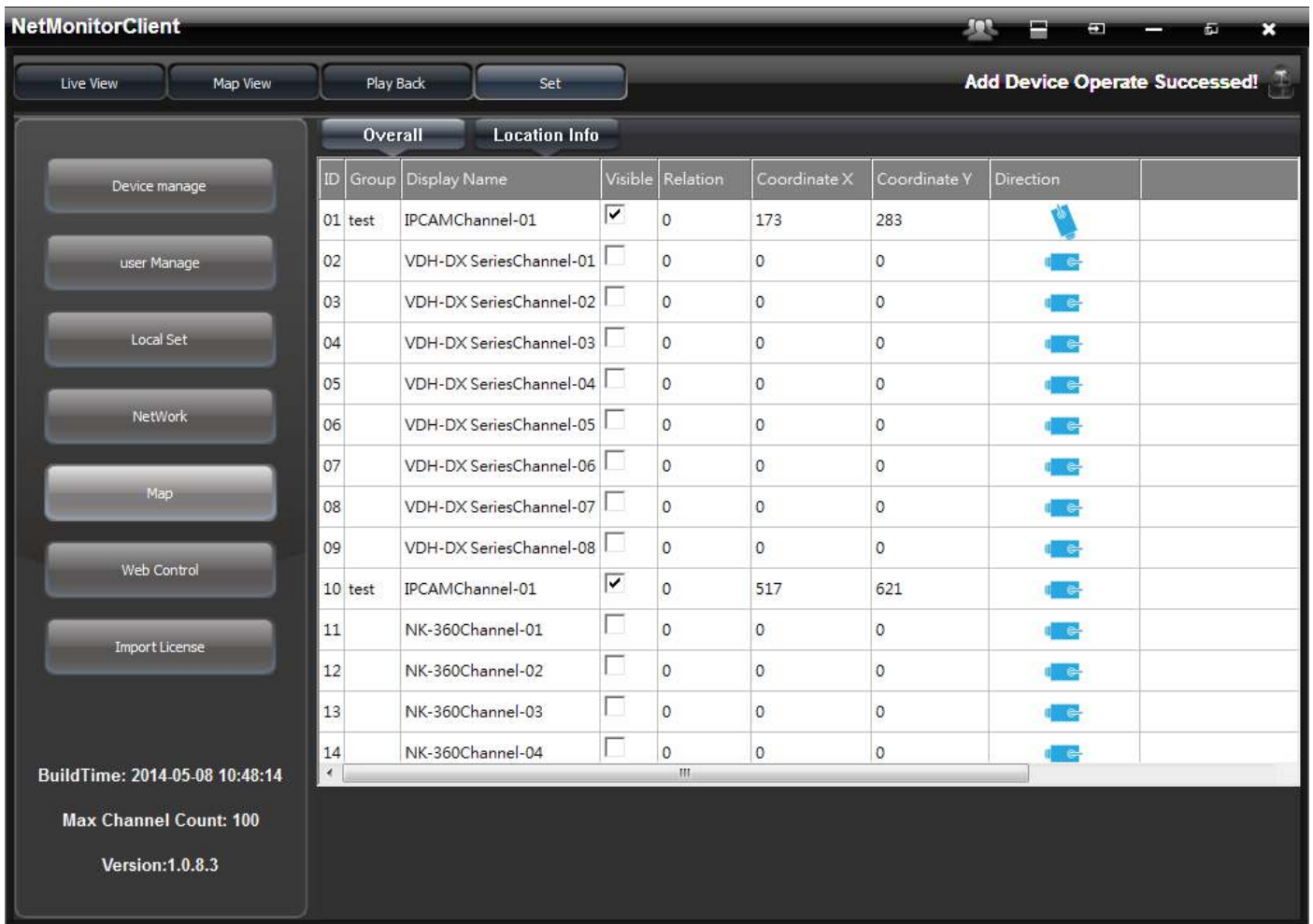
- Change map background

In CMS' s image folder , replace map.bmp then relogin , you can see the replacement of the map background. Installation location 32bits : C:\Program Files \NetMonitorServer\image\map.bmp

64bits : C:\Program Files

(x86)\NetMonitorServer\image\map.bmp

- Overall : Click display then set direction.

















NetMonitorClient

Live View | Map View | Play Back | Set

Add Device Operate Succeeded!

Overall | Location Info


ID	Group	Display Name	Visible	Relation	Coordinate X	Coordinate Y	Direction
01	test	IPCAMChannel-01	<input checked="" type="checkbox"/>	0	173	283	
02		VDH-DX SeriesChannel-01	<input type="checkbox"/>	0	0	0	
03		VDH-DX SeriesChannel-02	<input type="checkbox"/>	0	0	0	
04		VDH-DX SeriesChannel-03	<input type="checkbox"/>	0	0	0	
05		VDH-DX SeriesChannel-04	<input type="checkbox"/>	0	0	0	
06		VDH-DX SeriesChannel-05	<input type="checkbox"/>	0	0	0	
07		VDH-DX SeriesChannel-06	<input type="checkbox"/>	0	0	0	
08		VDH-DX SeriesChannel-07	<input type="checkbox"/>	0	0	0	
09		VDH-DX SeriesChannel-08	<input type="checkbox"/>	0	0	0	
10	test	IPCAMChannel-01	<input checked="" type="checkbox"/>	0	517	621	
11		NK-360Channel-01	<input type="checkbox"/>	0	0	0	
12		NK-360Channel-02	<input type="checkbox"/>	0	0	0	
13		NK-360Channel-03	<input type="checkbox"/>	0	0	0	
14		NK-360Channel-04	<input type="checkbox"/>	0	0	0	

BuildTime: 2014-05-08 10:48:14

Max Channel Count: 100

Version:1.0.8.3

- Location Info

In the right side of the map, click on the left mouse over the image device , remove device to where it located on the map background



Overall **Location Info**

- 001: [IPCAM Channel-01]
- 002: [VDH-DX Series Channel-01]
- 003: [VDH-DX Series Channel-02]
- 004: [VDH-DX Series Channel-03]
- 005: [VDH-DX Series Channel-04]
- 006: [VDH-DX Series Channel-05]
- 007: [VDH-DX Series Channel-06]
- 008: [VDH-DX Series Channel-07]
- 009: [VDH-DX Series Channel-08]



3.3.6 Web Control

Set connect time 、 user limit 、 web port , when use IE login CMS

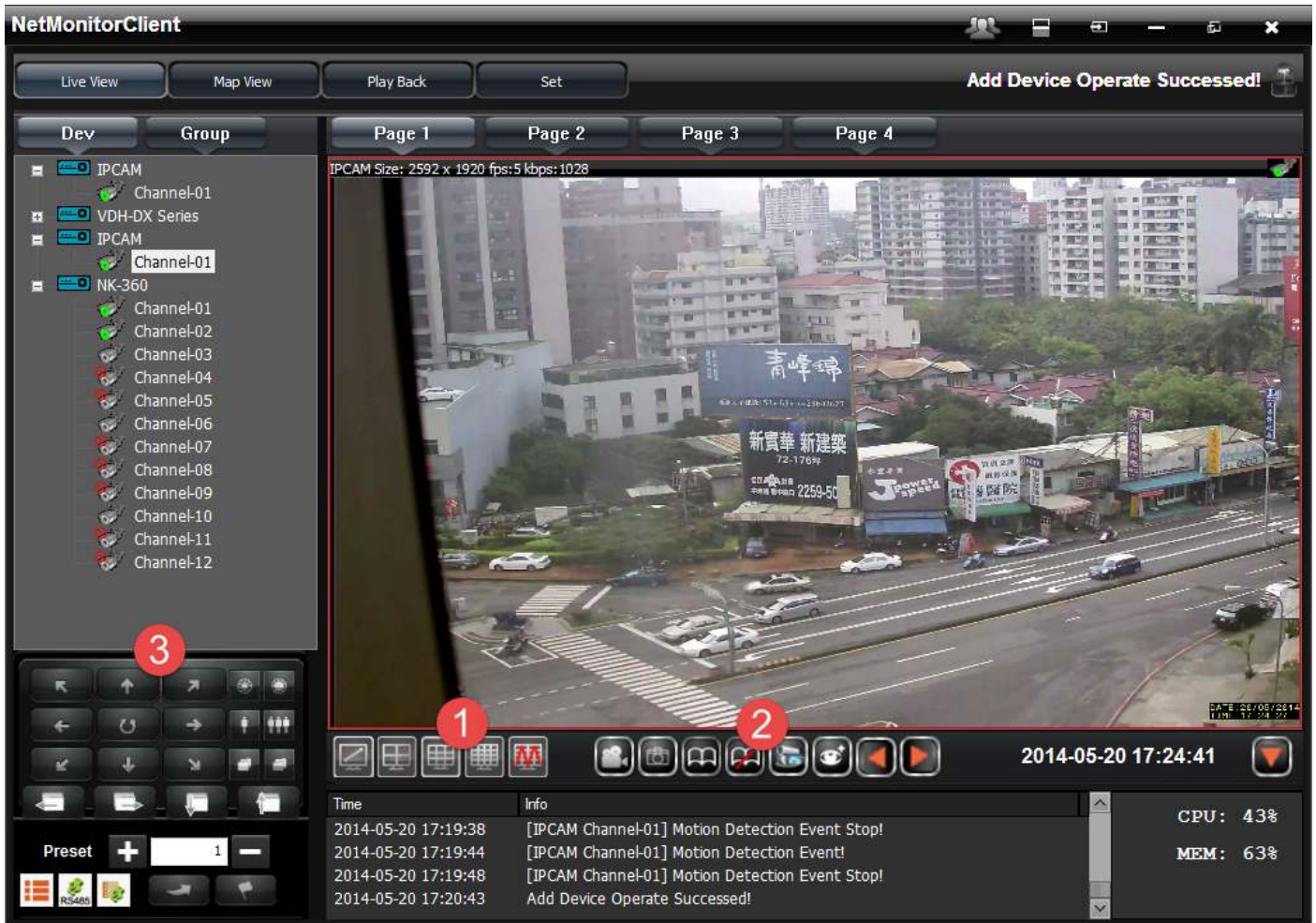
The screenshot shows the NetMonitorClient application window. At the top, there are navigation buttons: Live View, Map View, Play Back, and Set. A notification in the top right corner reads "Add Device Operate Succeeded!". The main content area is titled "Web Control Setting" and contains the following configuration fields:

Video Connect Time(Second):	3600
Uplink Video Connect Time(Second):	3600
Single User Concurrent Limit:	10
Concurrent User Limit:	0
CMS Web Port	8080


Below the settings are three buttons: Refresh, Save, and Default. On the left side of the interface, there is a vertical menu with buttons for Device manage, user Manage, Local Set, NetWork, Map, Web Control, and Import License. At the bottom left, the following information is displayed:

BuildTime: 2014-05-08 10:48:14
Max Channel Count: 100
Version:1.0.8.3

3.4 Live View










3.4.1 Windows





Images	Description
	1 Win
	4 Win
	9 Win
	16 Win
	25 Win、36 Win



3.4.2 Functions

Images	Description
	Record
	Snapshot
	Auto Flip 、 Stop Auto Flip
	LiveView Statu
	Main Stream 、 Sub Stream
	PrevPage 、 NextPage
	Hide Log List 、 Show Log List

3.4.3 PTZ

Images	Description
	IRIS Close 、 IRIS Open
	Zoom Up 、 Zoom Down
	Focus Near 、 Focus Far
	Up 、 Down 、 Left 、 Right
	Left-Up 、 Right-Up 、 Left-Down 、 Right-Down
	Stop
	Preset Go

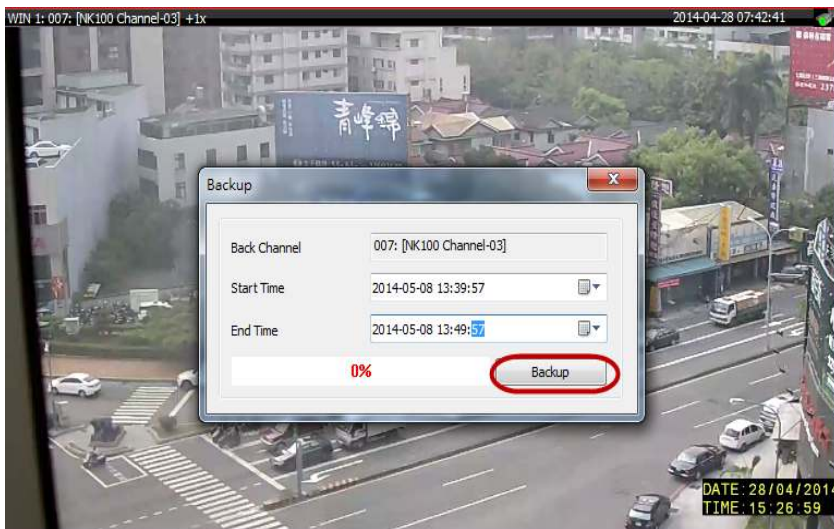
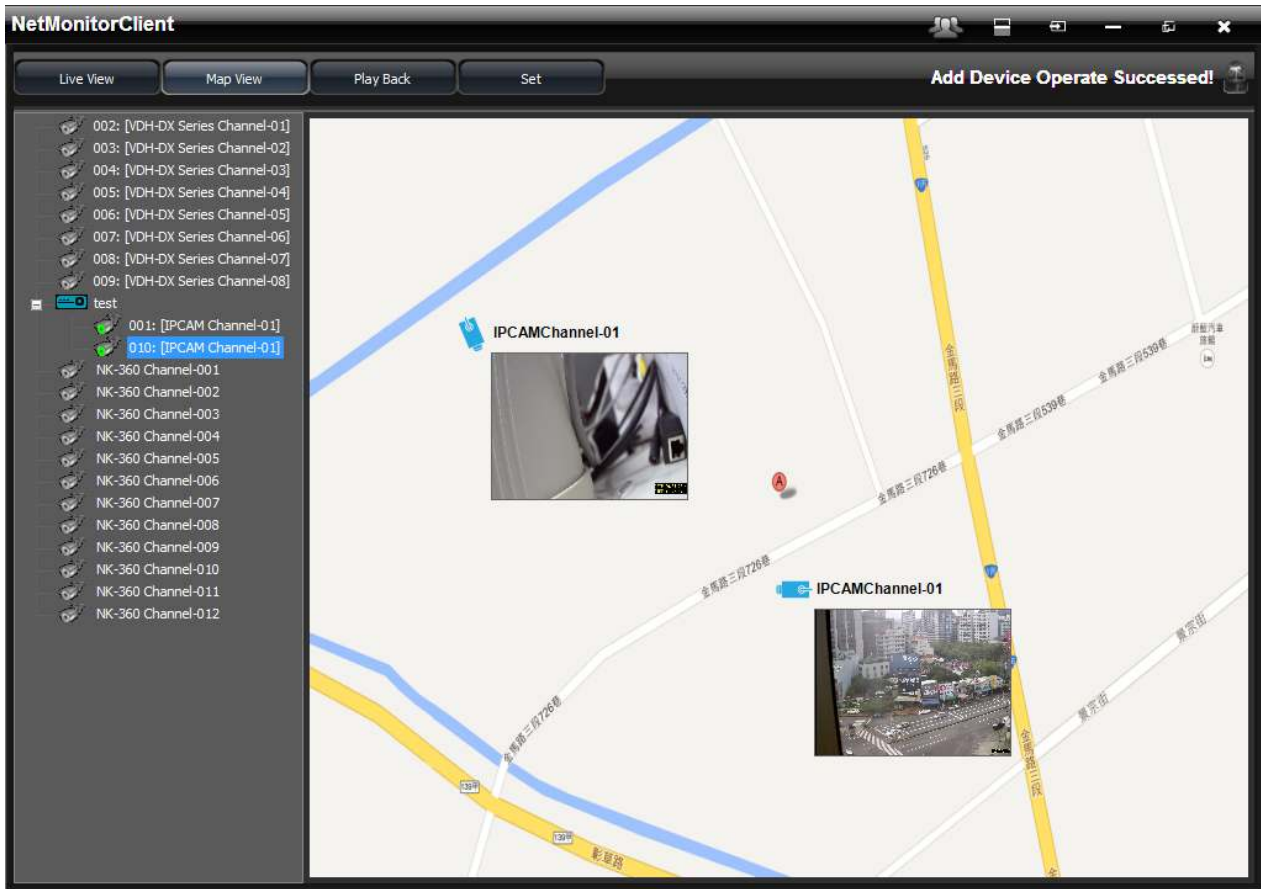


	Preset Set
	Add 、 Subtract
	RS485 On 、 RS485 Off
	Menu ON/OFF
	Menu Left 、 Menu Right 、 Menu Down 、 Menu Up



3.5 Map View

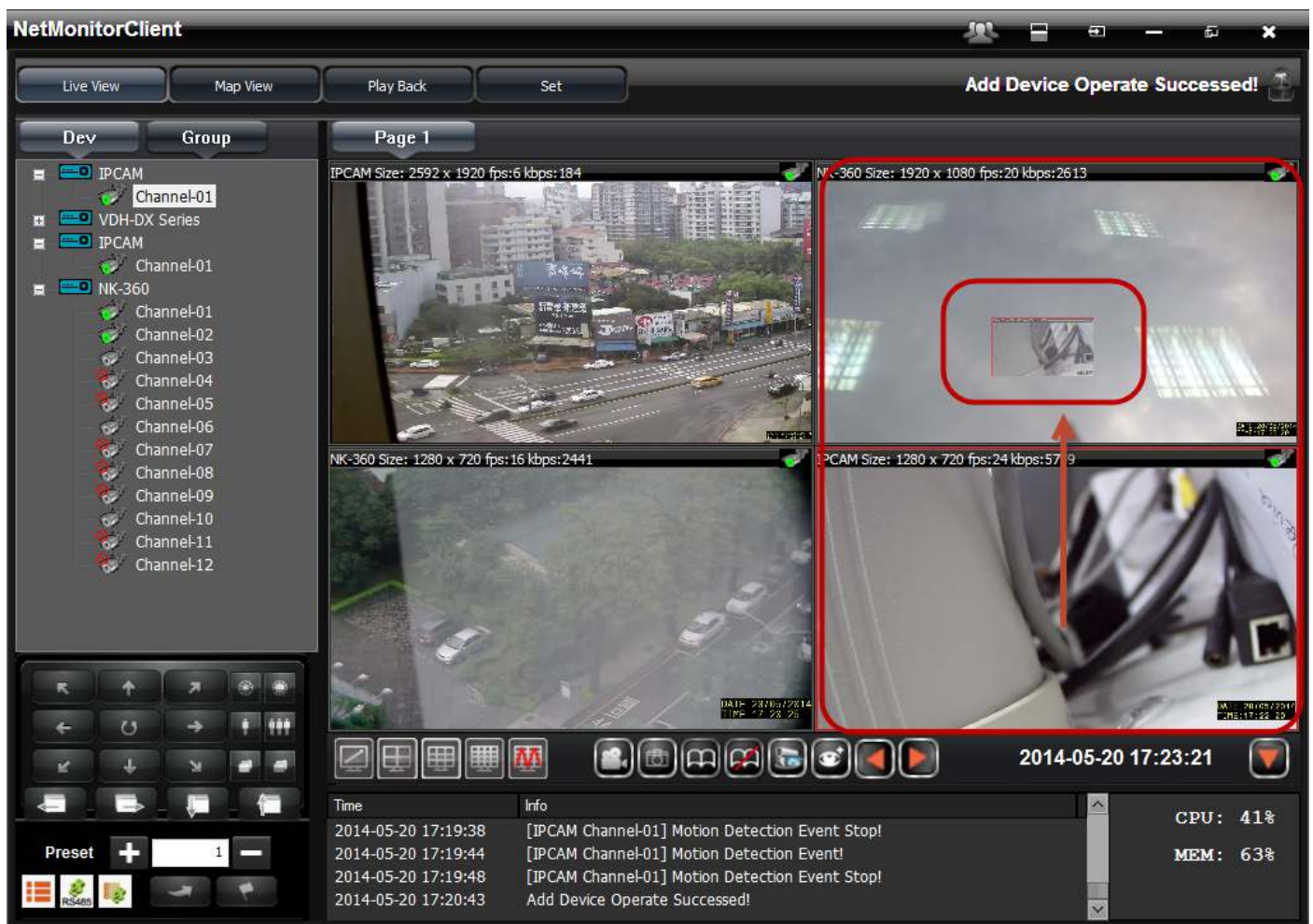
After the channel is choose, Doubleclick left button of mouse will open little liveview window.




4. Introduction of Special features

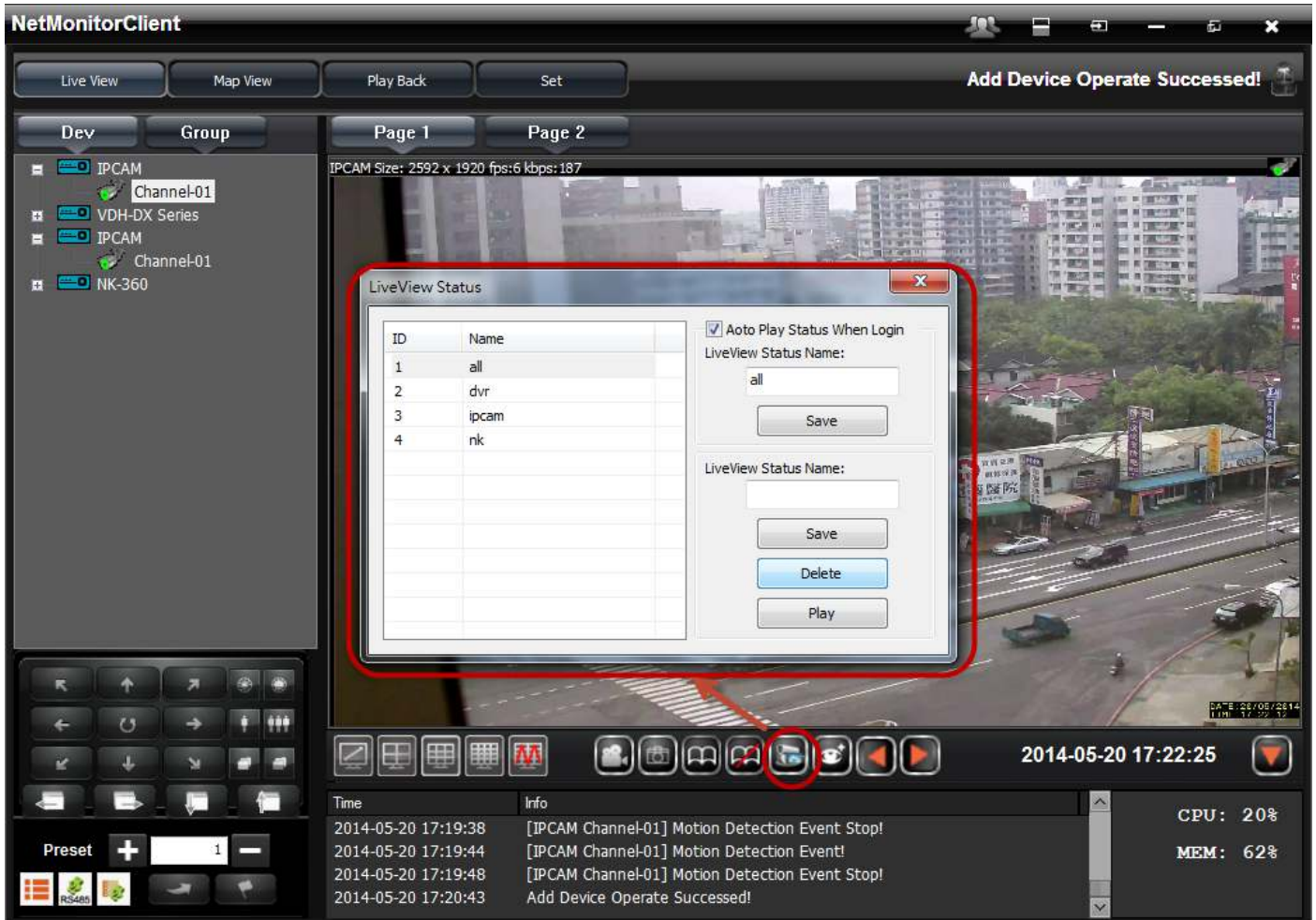
4.1 Swap Live-View channels by using a mouse to drag

After IPCAM was added to Live-View window, if the sequence of Channels need to be changed, press left button of mouse on the Channel that need to be swap, a small transparent window will popup, drag the small transparent window to the other channel and release left button of the mouse to swap these 2 channels.



4.2 Support multiple boot-up module

When multiple Live-view status configurations when boot-up are needed, click "live-View status"  at the bottom of sub-menu to configure Live-View status. After Live-View status are created, one of the available Live-View status can be choose to be auto play when login.



The screenshot shows the NetMonitorClient interface. A 'LiveView Status' dialog box is open, displaying a table of configurations and options for auto-play status.

ID	Name
1	all
2	dvr
3	ipcam
4	nk

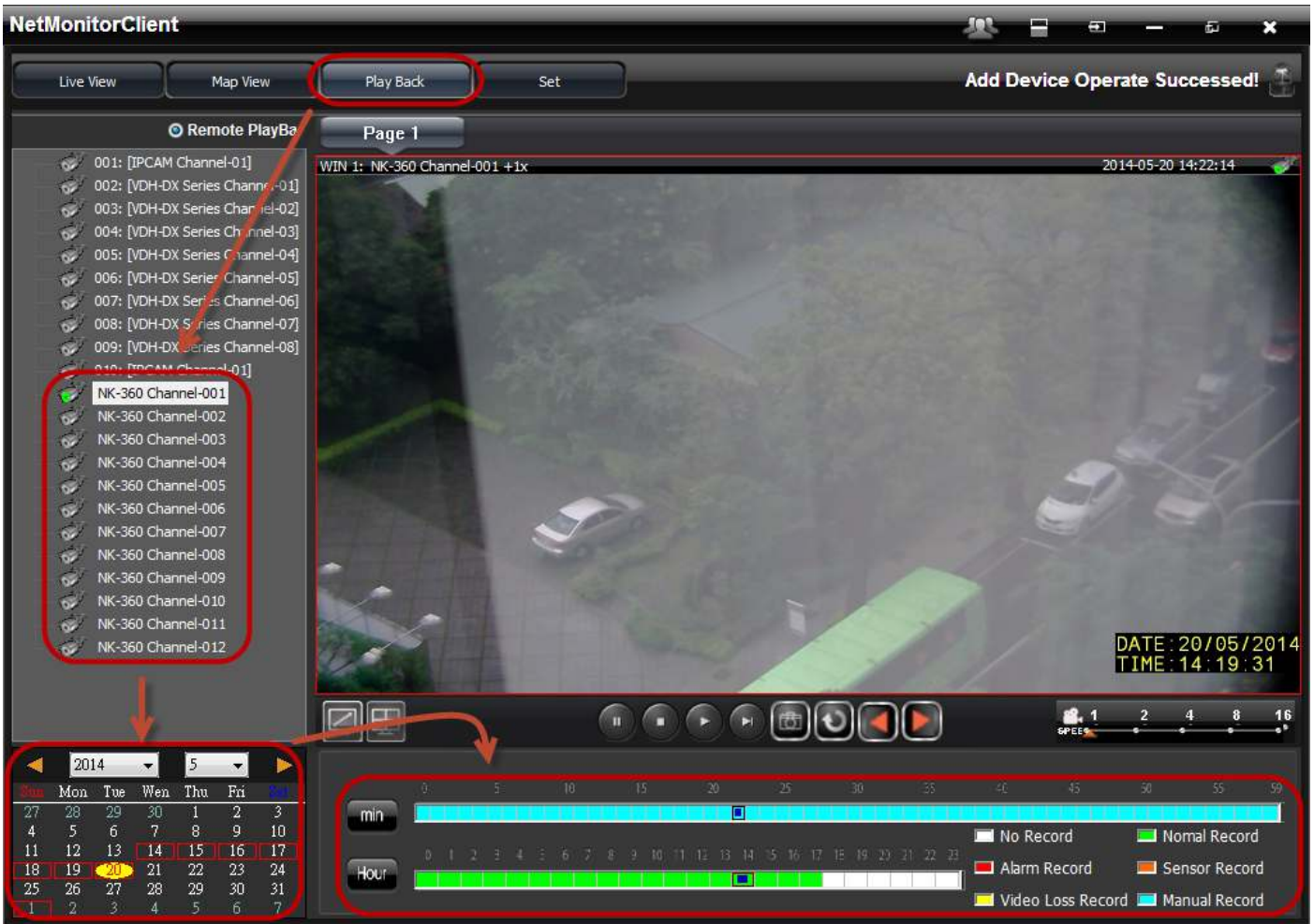
Options in the dialog box:

- Auto Play Status When Login
- LiveView Status Name: Save
- LiveView Status Name: Save
- Delete
- Play

The background shows a live video feed of a city street with buildings and cars. The interface includes a top navigation bar with 'Live View', 'Map View', 'Play Back', and 'Set'. A left sidebar lists device groups like 'IPCAM', 'VDH-DX Series', and 'NK-360'. A bottom status bar shows system information: CPU: 20%, MEM: 62%, and a log of events including motion detection and device operation success.

4.3 Support Remote NVR playback

“Remote Playback” feature in “Play Back” page can play back video on any VACRON NVR at remote side. Choose “Remote Playback” feature in “Play Back” page, after the NVR/Channel is choose, the time-line with mark that indicate the period has recorded video available will display at the bottom of the page. User can configure “Hour” and “Minute” to play back recorded video on remote NVR through CMS.



- Backup

After the start-time that user want to backup is found, user can use mouse to right-click the channel and choose “Backup” in popup window.



After the start-time that user want to backup is configured, the video clip that user need can be backup easily and quickly.





4.4 Motion Detection

- Motion Detection indicator and Info notify

The screenshot displays the NetMonitorClient interface. At the top right, a notification bar shows "[IPCAM Channel-01] Motion Detection Event!". The main window is split into a left sidebar with a device tree (IPCAMS, VDH-DX Series, Channel-01) and a central video feed. The video feed shows a close-up of network cables with a green motion detection icon overlaid. Below the video, a log table lists events:

Time	Info	CPU	MEM
2014-05-20 17:19:28	[IPCAM Channel-01] Motion Detection Event Stop!	25%	61%
2014-05-20 17:19:34	[IPCAM Channel-01] Motion Detection Event!		
2014-05-20 17:19:39	[IPCAM Channel-01] Motion Detection Event Stop!		
2014-05-20 17:19:44	[IPCAM Channel-01] Motion Detection Event!		

The interface also includes a control panel with navigation buttons, a preset selector, and system status indicators for CPU and memory usage.



- Popup window : Set to play liveview in the existing window or pop-up window when motion detection.

The screenshot displays the NetMonitorClient software interface. At the top, there are buttons for 'Live View', 'Map View', 'Play Back', and 'Set'. A notification bar at the top right indicates a '[IPCAM Channel-01] Motion Detection Event!'. The main area shows a video feed with a 'Device Video Display' popup window overlaid. The popup window shows a close-up of a person's hands and a network cable. The main video feed shows a wider view of a room with a person sitting at a desk. The interface also includes a left sidebar with a device tree, a bottom control panel with various icons, and a bottom status bar with a log table and system metrics.

Time	Info
2014-05-20 17:18:08	[IPCAM Channel-01] Motion Detection Event Stop!
2014-05-20 17:18:44	[IPCAM Channel-01] Motion Detection Event!
2014-05-20 17:18:48	[IPCAM Channel-01] Motion Detection Event Stop!
2014-05-20 17:18:54	[IPCAM Channel-01] Motion Detection Event!

CPU: 28%
MEM: 62%



- Group Liveview : Any device of group motion detection , will show whole group on liveview

The screenshot displays the NetMonitorClient interface. At the top, there are navigation buttons: Live View, Map View, Play Back, and Set. A title bar on the right indicates "[IPCAM Channel-01] Motion Detection Event!". Below the navigation buttons, there are tabs for "Dev" and "Group". The "Group" tab is active, showing a list of devices. The list includes channels 002 through 009, a "test" group, and two channels under "001: [IPCAM Channel-01]": 001 and 010. The main display area is split into two video feeds. The left feed shows a wide-angle street view with a yellow bus and cars, with technical data "IPCAM Size: 2592 x 1920 fps:6 kbps:1273". The right feed shows a close-up of a person's hands, with technical data "IPCAM Size: 1280 x 720 fps:25 kbps:3989". At the bottom, there is a control panel with various icons for camera control and a status bar. The status bar shows the date and time "2014-05-20 17:18:02", a CPU usage of 37%, and a memory usage of 61%. A log window at the bottom left shows a list of motion detection events.

Time	Info
2014-05-20 17:17:57	[IPCAM Channel-01] Motion Detection Event Stop!
2014-05-20 17:17:57	[IPCAM Channel-01] Motion Detection Event!
2014-05-20 17:18:02	[IPCAM Channel-01] Motion Detection Event Stop!
2014-05-20 17:18:02	[IPCAM Channel-01] Motion Detection Event!



4.5 Vacron CMS Web

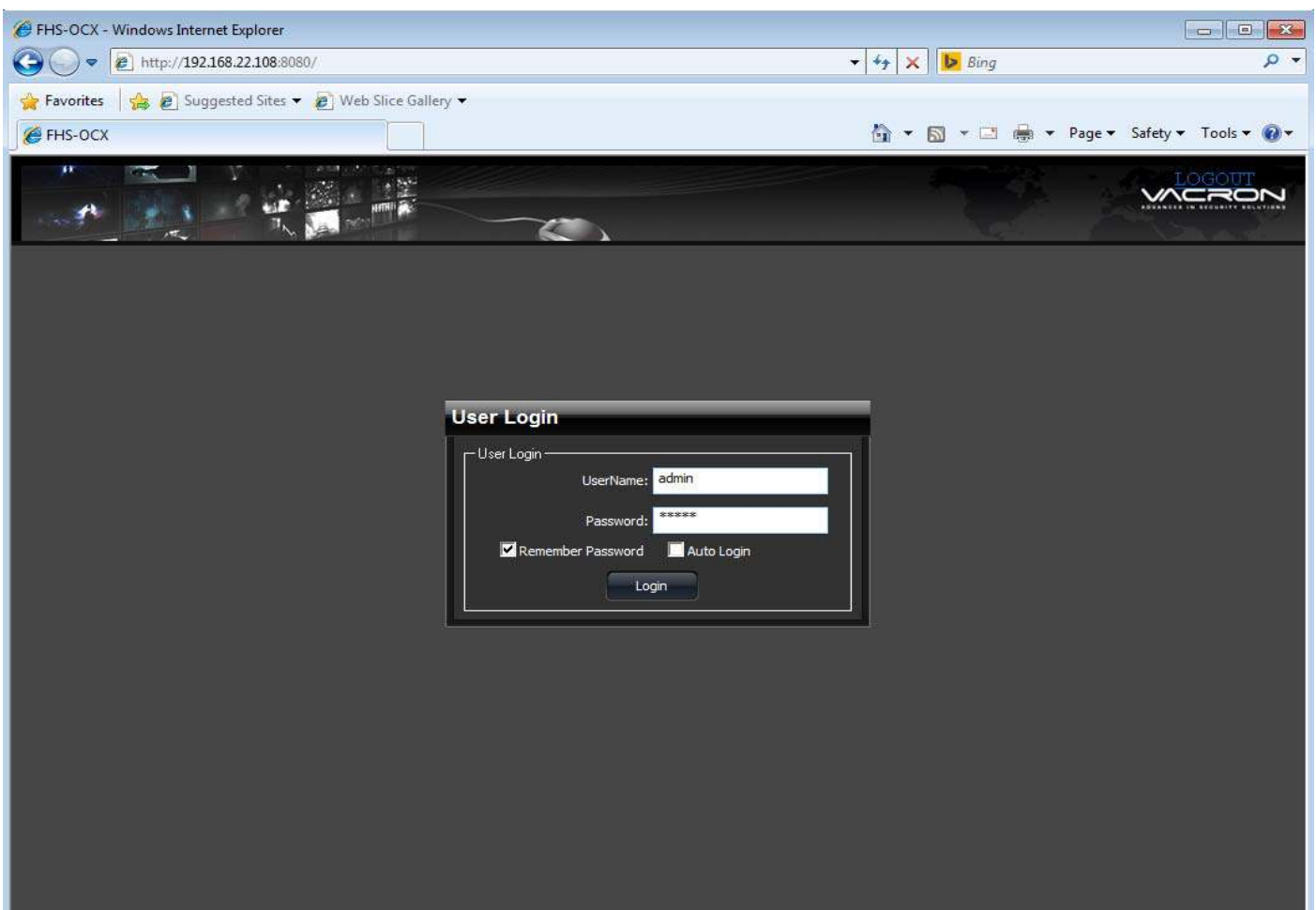
The Vacron CMS Web Client is a simplified version of the Client software that allows you to monitor video from any Internet Explorer web browser.

Note: The Web Client is can only be accessed through Internet Explorer.

To access the Web Client, you need to know the IP address of the Vacron CMS server you want to access, and the server's web access port number.

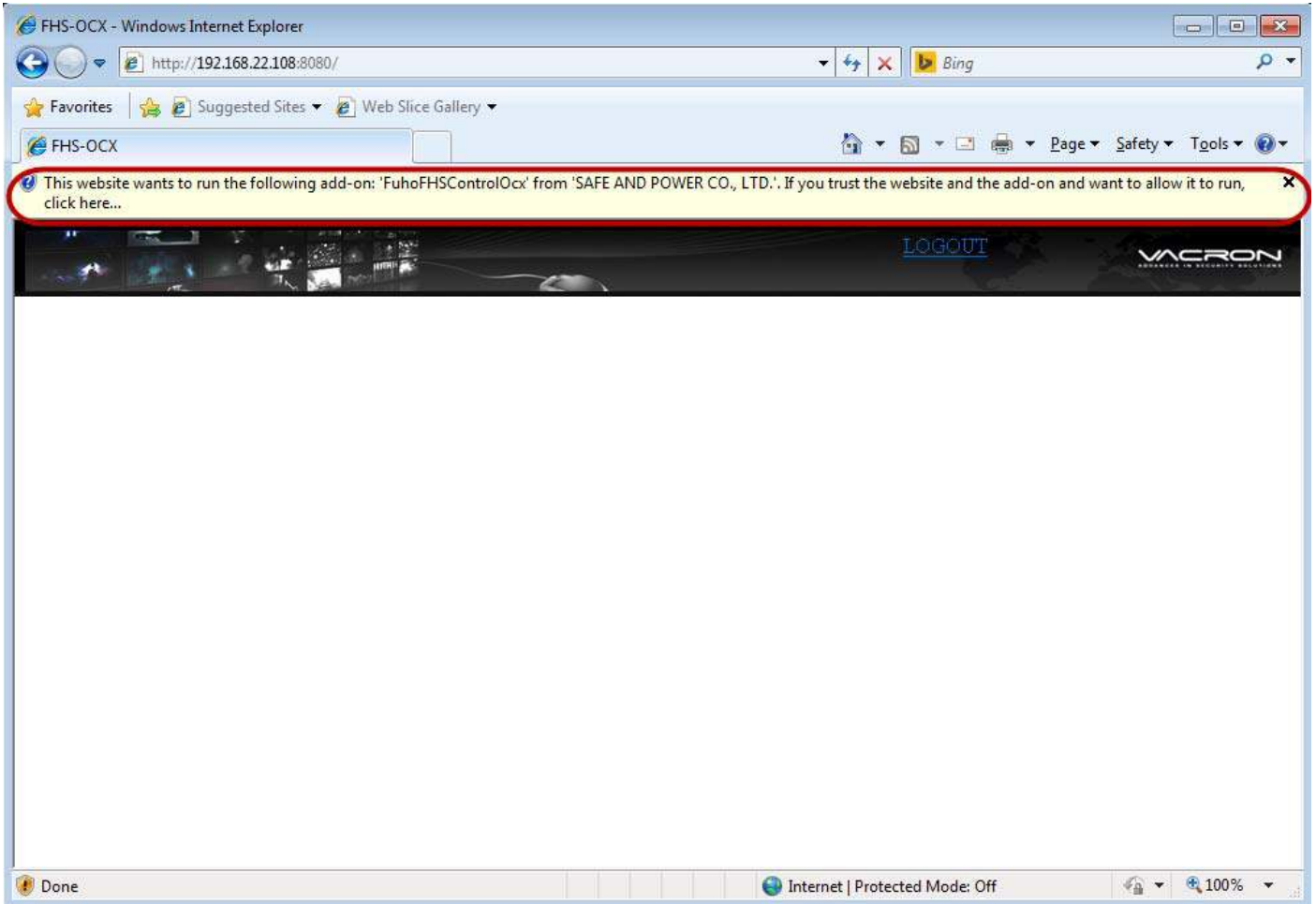
1. <http://<server ip address>:<port number>/> (For example, <http://192.168.2.62:8080/>)

1. To access the Web Client, open Internet Explorer and enter the following address: <http://<server ip address>:<port number>/> (For example, <http://192.168.2.62:8080/>)





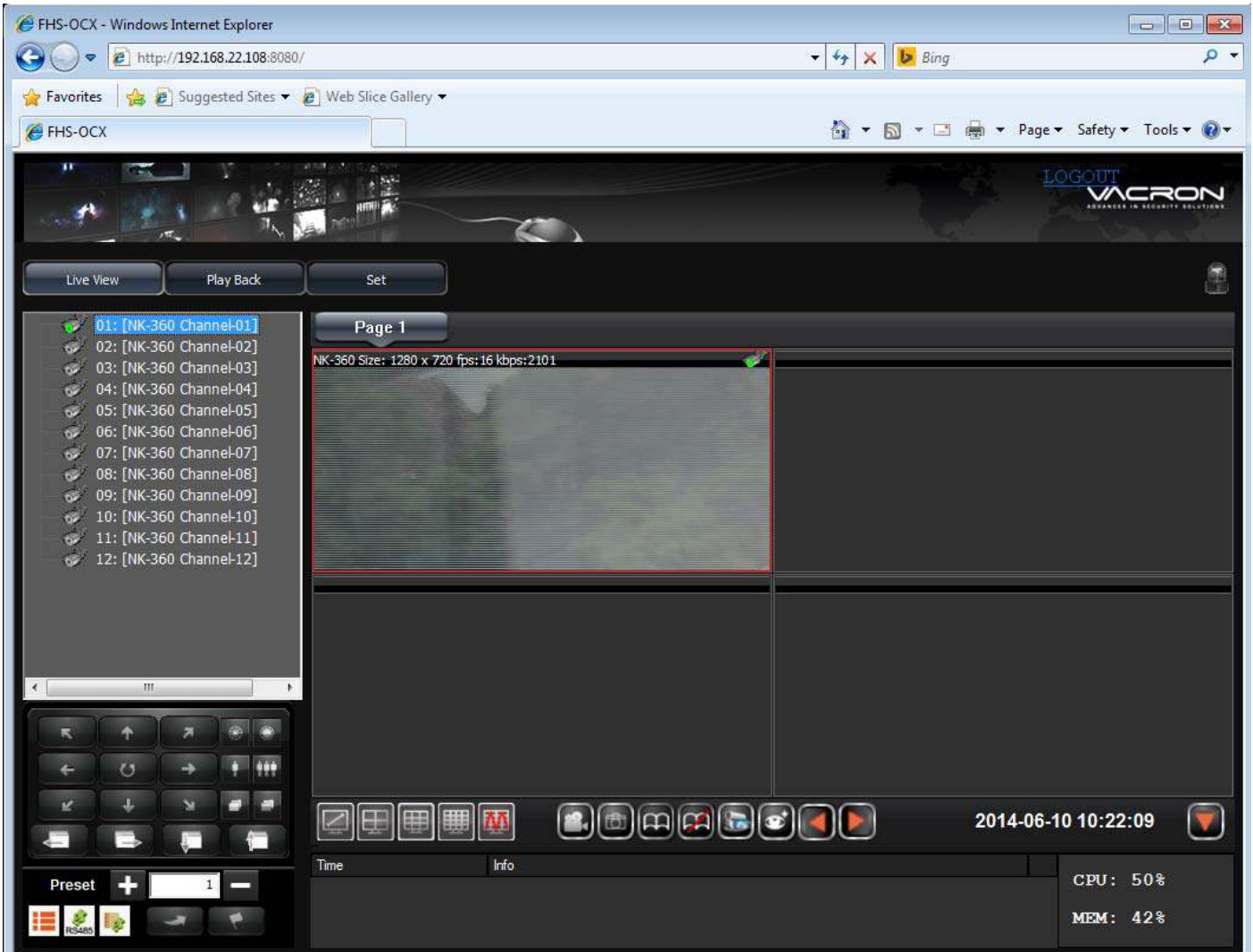
If you have not accessed the Web Client before, you may be prompted to install the required software before the Web Client open.



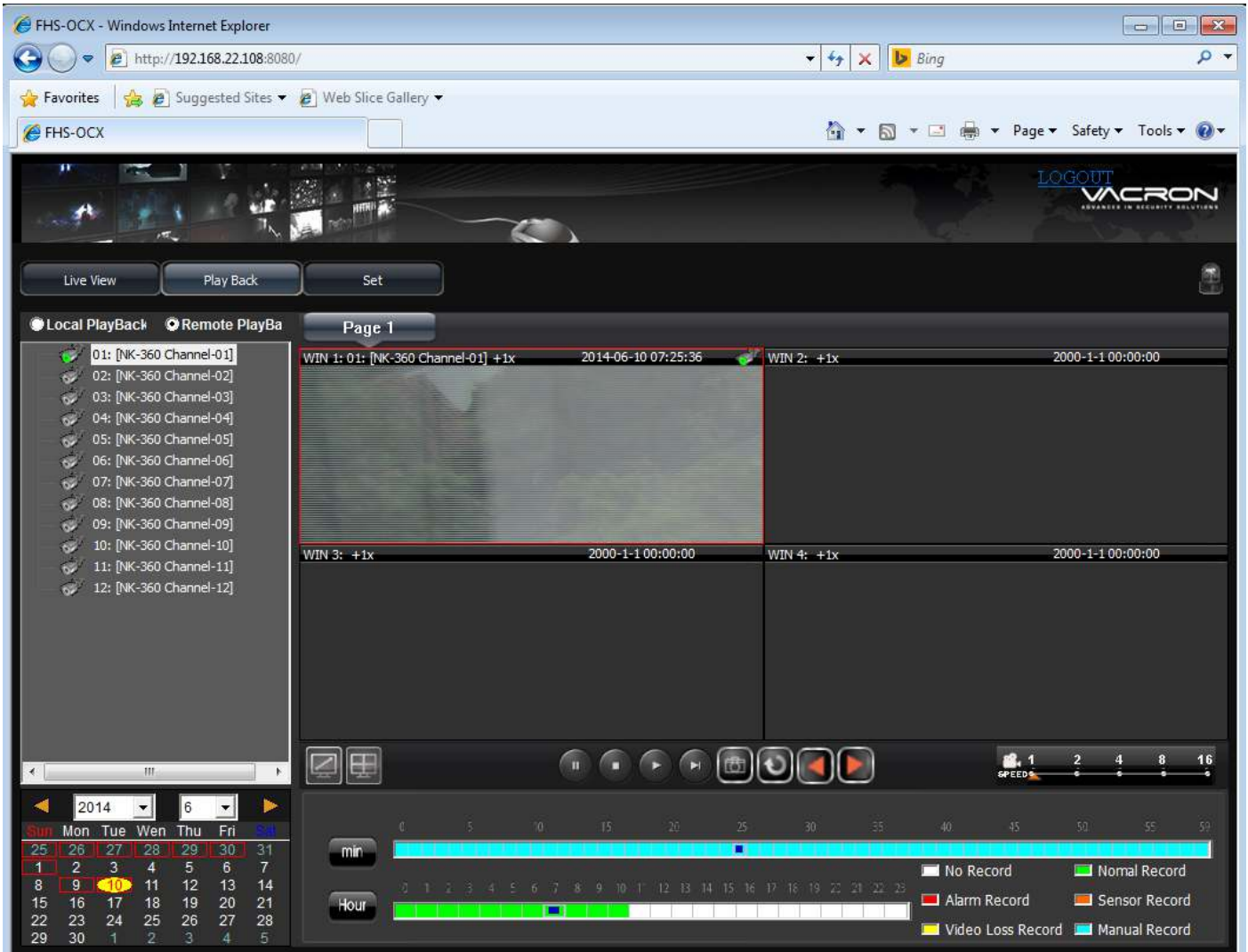
2. When the login screen appears, enter your username and password for the server.

The Web Client is opened in your browser, and you can access the video and cameras · remote playback · local setting stored on the server.

CMS Web Client LiveView same as CMS

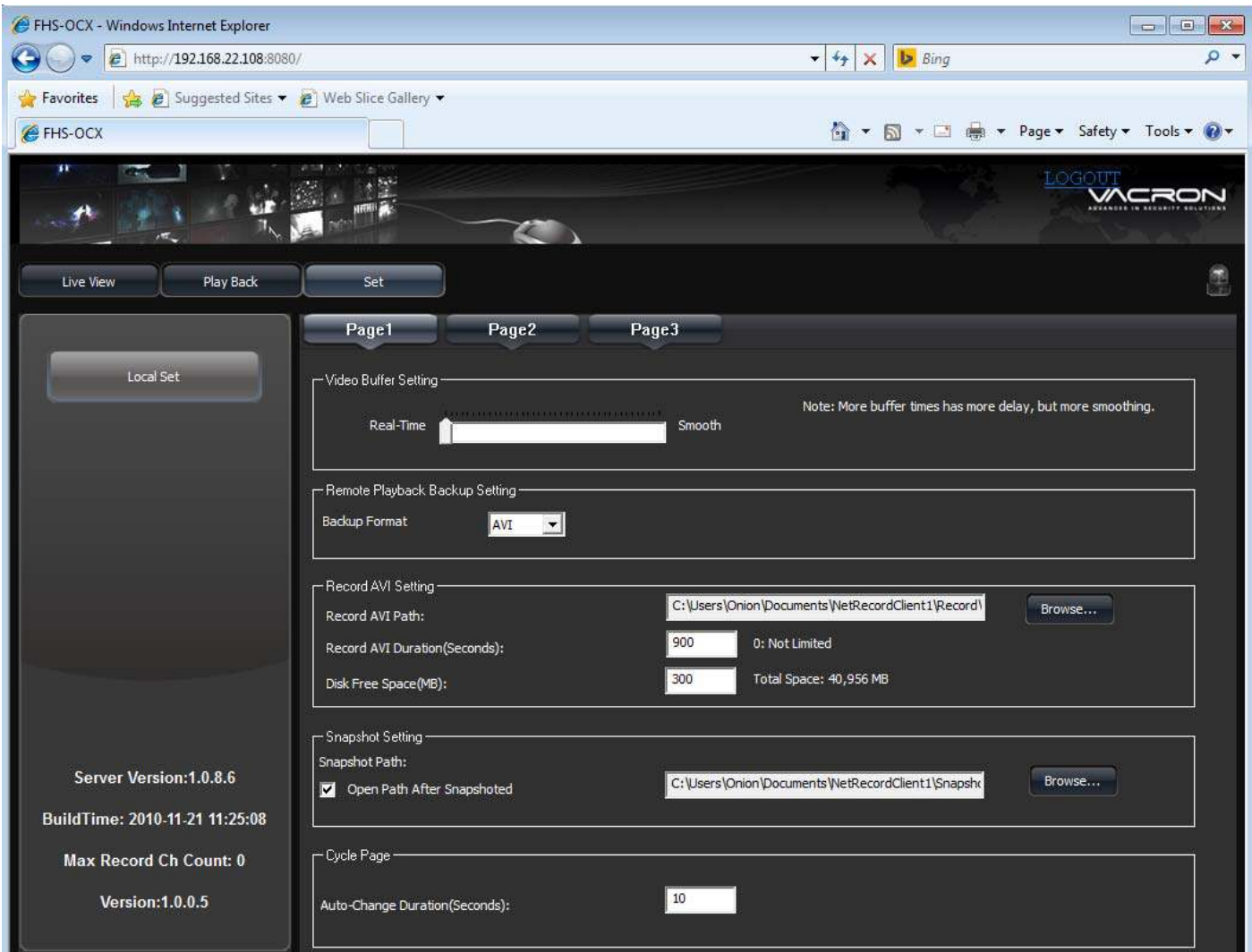


CMS Web Client Remote Playback same as CMS



The screenshot shows a Windows Internet Explorer browser window displaying the VACRON CMS Web Client interface. The address bar shows the URL <http://192.168.22.108:8080/>. The interface includes a navigation bar with 'Live View', 'Play Back', and 'Set' buttons. Below this, there are tabs for 'Local Playback' and 'Remote PlayBa', with 'Page 1' selected. A list of 12 channels is visible on the left, all labeled '[NK-360 Channel-01]' through '[NK-360 Channel-12]'. The main playback area is divided into four windows (WIN 1 to WIN 4), each showing a video feed at '+1x' speed. The top-left window shows a timestamp of '2014-06-10 07:25:36'. Below the video windows is a control panel with play/pause, stop, and other playback controls, along with a speed selector (1, 2, 4, 8, 16) and a 'min' button. At the bottom, there is a calendar for June 2014 and a legend for recording types: No Record, Normal Record, Alarm Record, Sensor Record, Video Loss Record, and Manual Record.

CMS Web Client Setting(Local Set) same as CMS



FHS-OCX - Windows Internet Explorer
http://192.168.22.108:8080/

LOGOUT VACRON
ADVANCED IN SECURITY SOLUTIONS

Live View Play Back Set

Page1 Page2 Page3

Local Set

Video Buffer Setting
Real-Time Smooth
Note: More buffer times has more delay, but more smoothing.

Remote Playback Backup Setting
Backup Format: AVI

Record AVI Setting
Record AVI Path: C:\Users\Onion\Documents\NetRecordClient1\Record
Record AVI Duration(Seconds): 900 0: Not Limited
Disk Free Space(MB): 300 Total Space: 40,956 MB

Snapshot Setting
Snapshot Path: C:\Users\Onion\Documents\NetRecordClient1\Snapsh
 Open Path After Snapshotted

Cycle Page
Auto-Change Duration(Seconds): 10

Server Version:1.0.8.6
BuildTime: 2010-11-21 11:25:08
Max Record Ch Count: 0
Version:1.0.0.5