Table of Contents

Introduction----------02
Features----------02
Central Management Software Installation----------02
Central Management Software IP Address Setup----------03
Central Management Software Remote Access ----------06
IP Camera Menu----------07
PTZ----------07
Color----------08
SYSTEM----------09
Device Manager----------09
Area List----------09
Add Area----------09
Add Device----------10
Modify----------09
Delete----------09
Import Config----------09
Export Config----------09
Connection Test----------09
Local Config----------12
Base Config----------14
Alarm Setting----------14
Record Plan----------17
DDNS Config----------17
Version Info- ----------19
Remote Config----------19
Record----------19
Record----------20
Snapshot----------21
Alarm ----------21
Video Motion----------22
Video Blind----------23
Video Loss----------23
Alarm Input----------23
Alarm Output----------24
Abnormal----------25
System----------25
General----------26
Encode----------26
Network----------27
NetService ----------28
GUI Display----------30
PTZ Config----------30
Camera Parameter----------30
Advanced----------30
HDD Manage----------31
Account----------32
Automaintain----------32
Default----------33
Import & Export----------34

Reboot----------34
Upgrade----------34
Info- ----------34
HDD Info----------34
LOG----------35
Version----------35
CMS Account- ----------36
Local Log- ----------37
Playback- ----------38
Advance- ----------39
LogOut- ----------39
Special notices- ----------39

Introduction

Stay connected wherever you go with our IP camera, You can remotely access it from anywhere in the world; monitor your home or business from your PC, Mac, iPhone, iPad, iPod Touch. Simply connect the IP camera to a router over wireless network (Wi-Fi) or wired Ethernet, install the software on your PC, or register online with our P2P server made easy for remote access and configuration free, and download the App for your Smartphone.

Features

- Do-it-yourself (D.I.Y) easy to setup and use. The CMS software detects the IP camera on the network automatically.
- With the latest H.264 video compression technology
- You can view and record live video remotely from almost anywhere when there is network connection with your PC
- It can be accessed through a wired connection using the 10/100 RJ45 connector. It also supports wireless 802.11 b/g/n as well as WEP, WPA, and WPA2 encryption.
- Receive email or FTP notifications to your email account when an alarm is triggered
- It supports up to 10 users to remote access simultaneously.
- It also can be configured to view up to 128 IP cameras from the same interface.

Central Management Software Installation

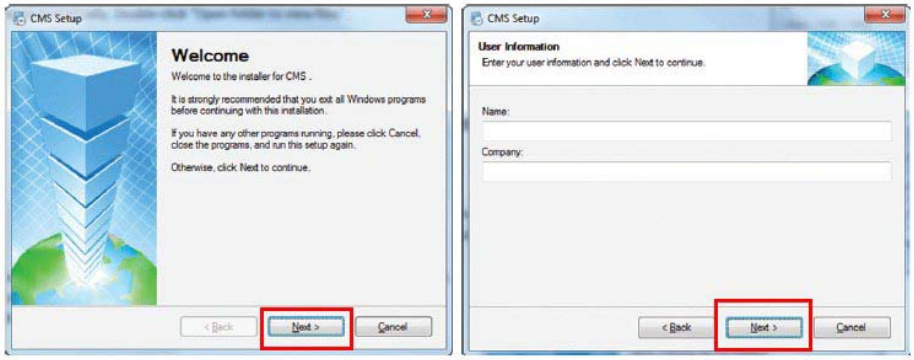
System Requirements

- Operating System: Windows XP, Vista, 7 and 8 (32-bit/64-bit OS)
- Processor: Intel Pentium 4 (2.0GHz or above)
- Video Card: NVIDIA GeForce 6800 equivalent or better
- Memory: 2GB RAM
- Storage: 1GB available hard drive space
- Internet: Broadband Internet connection

1. Insert the Installation CD into the CD-ROM drive, and double click the “Open folder to view files” option from the the AutoPlay window.

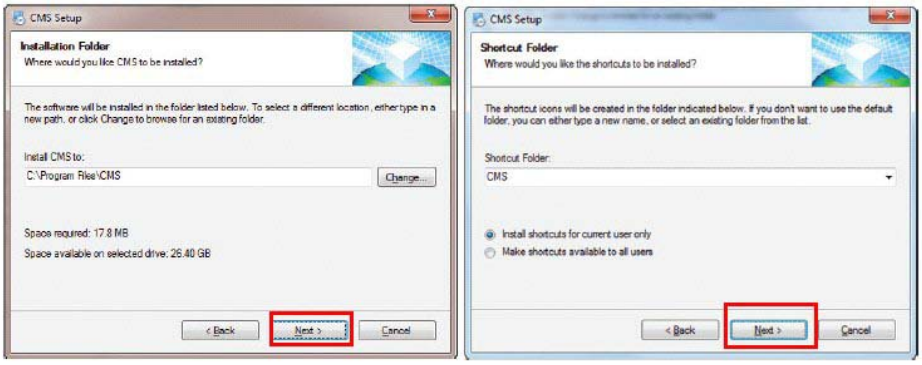
2. Next, double-click on the “General_CMS_V3.0.9.14.T.20130319” file to install software as shown above.

3. The CMS Setup screen will appear as shown below. Click “Next” to continue or “Cancel” to cancel the installation.



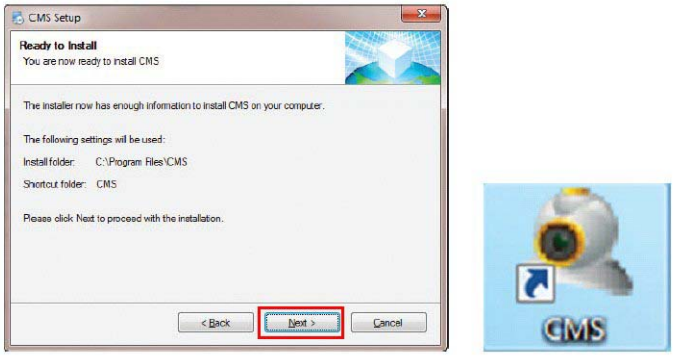
4. Input the user name and company name. Then click “Next” to continue as illustrated above.

5. The default Install CMS directory is C:\Program Files\CMS, click “Change” to select a different destination folder, or click “Next” to continue (recommended).



6. The default shortcut icon folder is CMS. Click the drop-down menu for more selections, or click “Next” to start installing the CMS to your computer (recommended) as illustrated above.

7. Click “Finish” to complete the CMS software installation as shown below

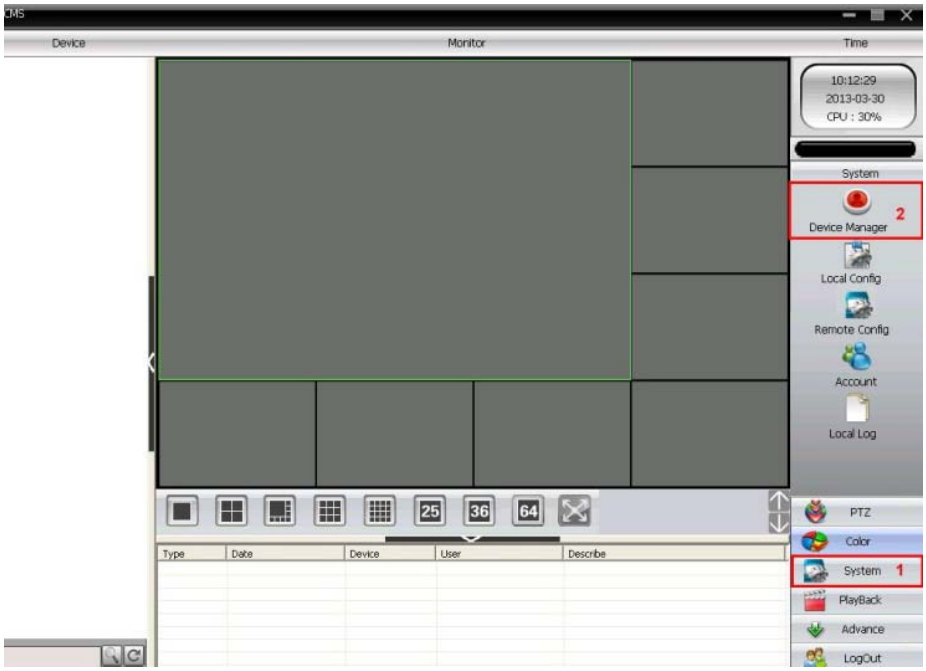


8. After the installation is complete, a “CMS” short-cut icon will automatically be created on your desktop as shown above. Double-click on the “CMS” icon to open the CMS software for IP Camera.

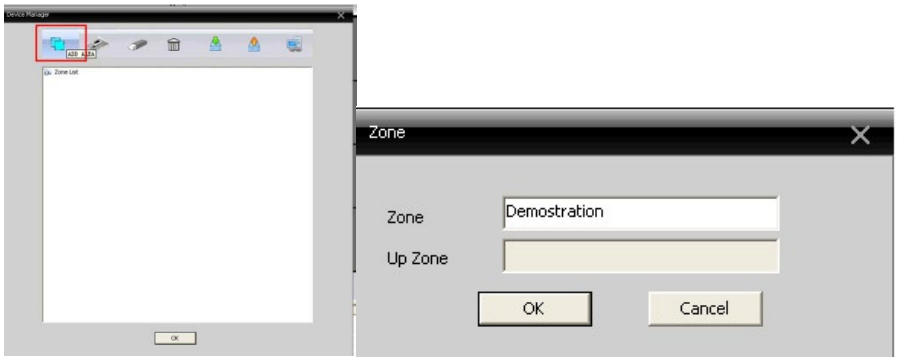
Central Management Software IP Address Setup

1. Double-click on the “CMS” short-cut icon on your desktop. Select “English” or other languages and then click “OK” to be Login window, next, input the User Name and Password at the login window as illustrated below. The default User Name is “super” and the default Password is empty. Click the “Login” button to login to CMS. A “Device list is empty, add your device...” window will appear as shown below, click on “OK” to continue.

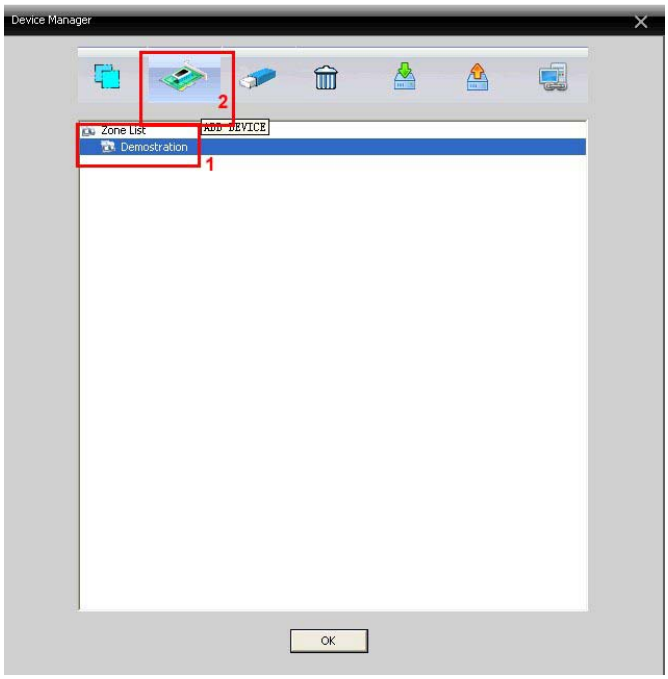
2. At the CMS main screen, click on “System”, and then “Device Manager” to open the device manager window to configure as illustrated below.



3. In “Device Manager” window, click on “ADD AREA” to open the “Zone” window as illustrated below.
In “Zone” window, please enter a zone name, and then click “OK” to confirm and go back to the Device Manager window. Here we use “Demonstration” as illustrated below.

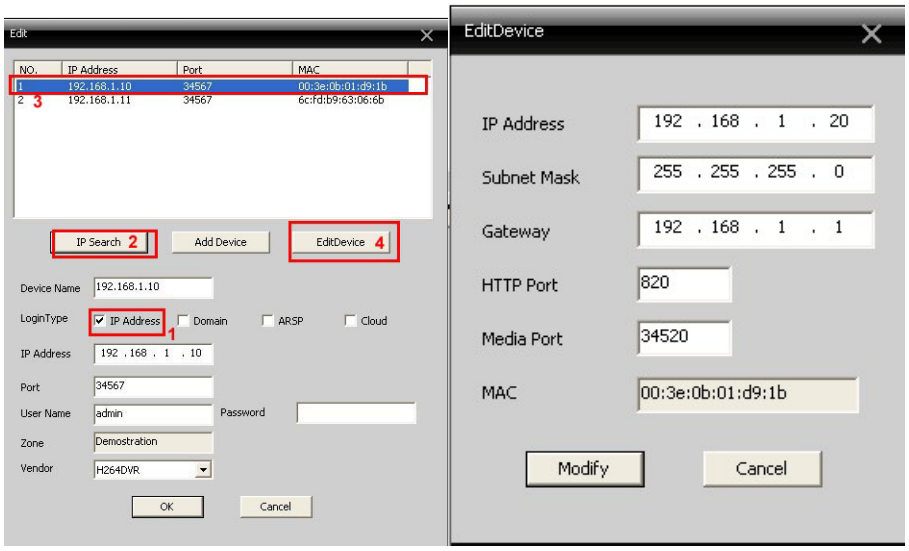


4. In “Device Manager” window, click to highlight “Demonstration” then click “ADD DEVICE” to open “Edit” device window as showed below.

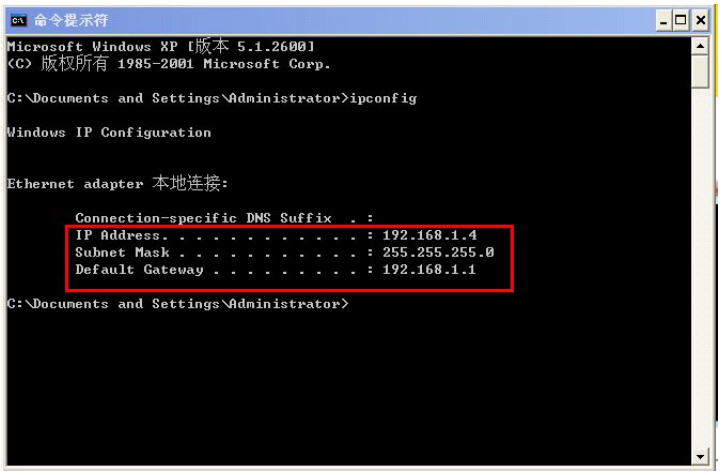


5. In “Edit” device window, put a check mark on “IP Address” then click on the “IP Search” button to start searching for IP address of IP camera. After clicking on the “IP Search” button, it will detect and list two IP addresses: 192.168.1.20 (Ethernet) and 192.168.1.11 (Wifi), and they are the default IP addresses of the IP Camera. Tap on the first IP address

(Ethernet), and then click on “EditDevice” button as illustrated below.



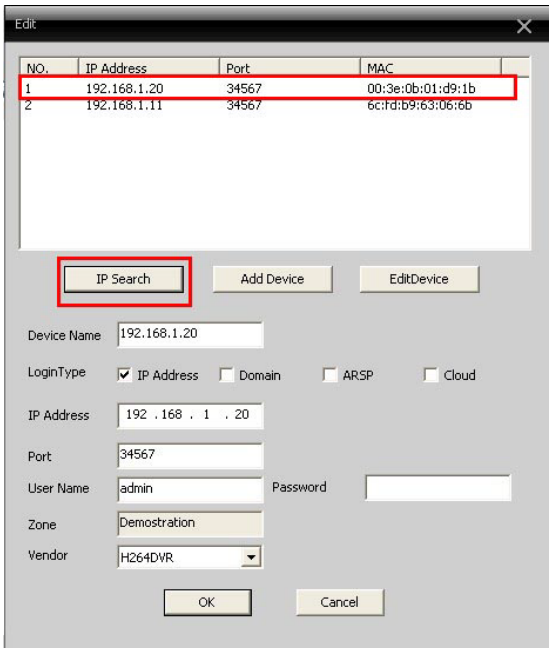
6. In “EditDevice” window, please modify the default IP Address (Ethernet), Subnet Mask, and Gateway to match your local area network settings. [To find your local area network settings; on your computer click “Start”→“All Programs”→”Accessories”→”Command Prompt”. At the DOS “command Prompt” screen, type “IPconfig”, and then press “Enter” as illustrated below. Please write down your local “IP Address”, “Subnet Mask” and “Default Gateway”. Exit from the “Command Prompt” window.]



7. Go back to the “EditDevice” window to change the “Subnet Mask” and “Default Gateway” to what you wrote down on Step 7. The final step is to assign an IP address to the IP Camera. There are 4 sets of numbers in an IP address. The first three sets have to be the same as “Default Gateway” and then assign the 4th set of numbers between 100~200 (for example 189) as illustrated below. Then click “Modify” to confirm the changes. If everything is setup correctly, you will get “Save Config to device successful” window, click “OK” to advance to the “ADD DEVICE” window. Here we use 192.168.1.20 for demonstration purpose only.

8. In “Edit” device window, click the “IP Search” button to re-scan for the IP camera addresses. Then click on the new IP address (Ethernet) to make the change and then click the “OK” button to confirm the change and to go back to the “Device

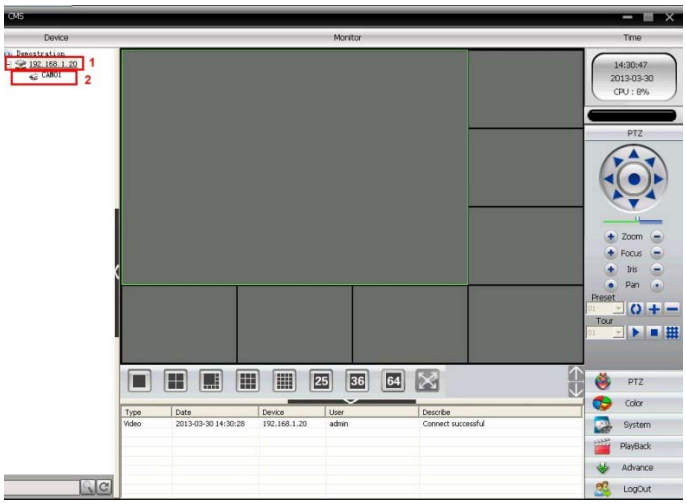
Manager” window. Click “OK” again to go back to main CMS window.



Note: Repeat Steps 2 ~ 9 to setup IP Camera wireless connection.

CMS Remote Access

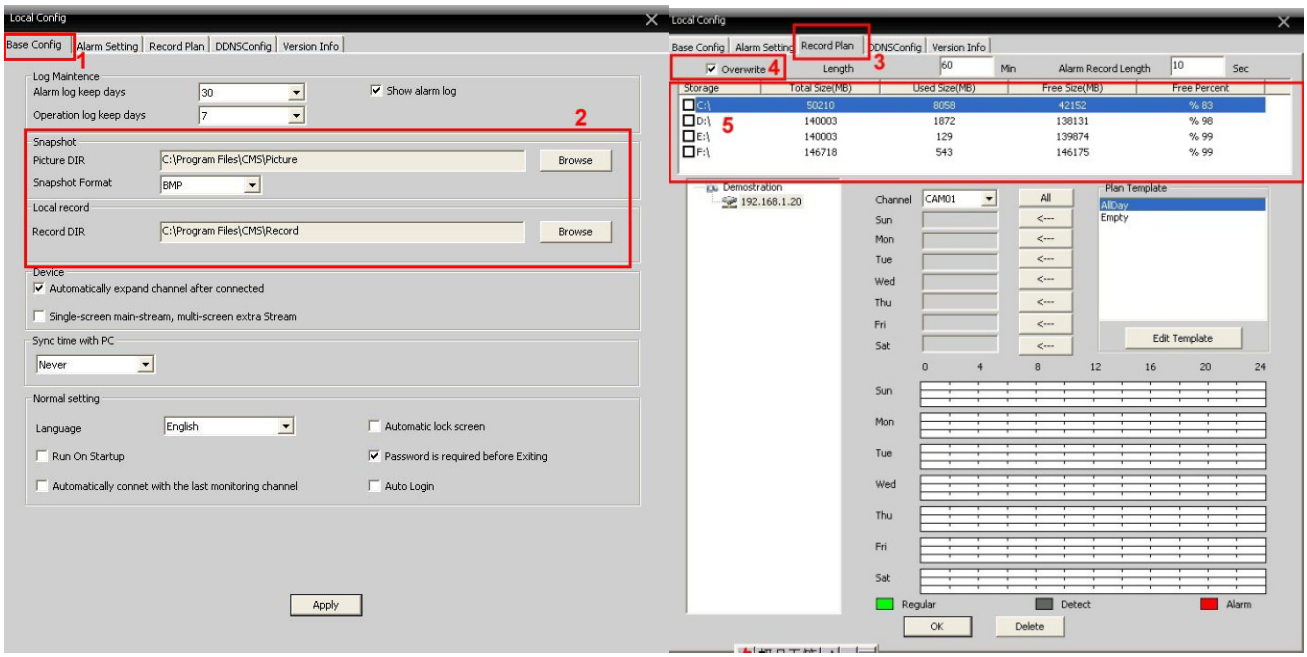
1. In the main CMS screen, double-click on the IP address, and then double-click on CAM01 to connect to the IP Camera and the camera image should appear on your screen.



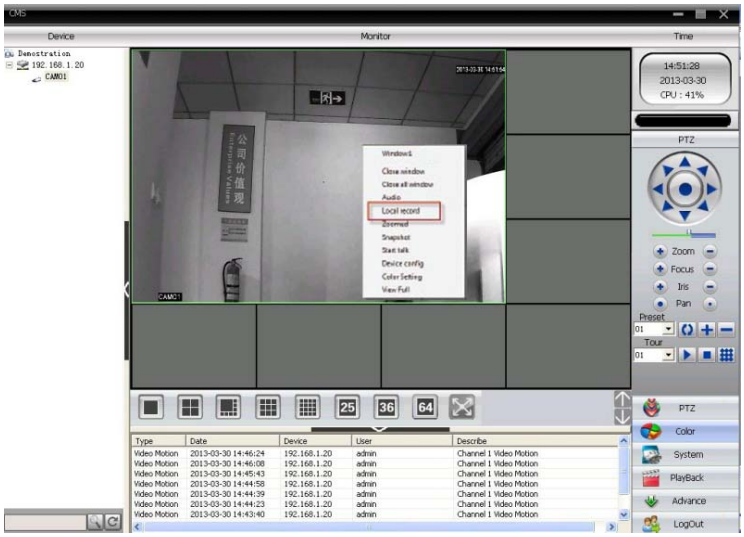
2. To record video files to your computer, click “System”, and then click “Local Config”.

3. In “Local Config” window, click “Browse” to choose the destination folder as shown below. Click “Apply” to confirm the changes, and then make sure “Overwrite” is checked. Next select the disk/partition you want to save the video files, and click

to go back to main CMS screen.

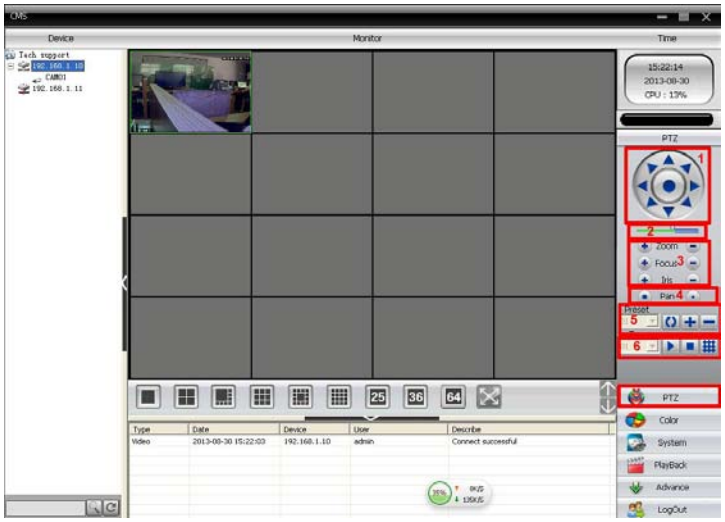


4. To start recording, right-click on camera image and choose “Local record” as illustrated below.



IP Camera Menu

PTZ (It is not applicable with IP cameras without PTZ function!)



1. Navigational arrows

The NAVIGATIONAL ARROWS allow you to move your camera in the corresponding direction when you click them, giving you a full 360 degree horizontal motion and 120 degree vertical motion for pan and tilt. To zoom you can single click for

stop-and -go motion or click and hold for a continuous pan.

2. Speed bar

The SPED BAR allows you to set/change the current speed rate (8 speed levels ranging from fast to slow, system default to speed 5). Set to 8 to navigate at a higher rate when panning or tilting the IP camera set to 1 to slowly navigate when panning or tilting the IP camera.

3. Focus and Iris (Not applicable!)

4. Pan

The PAN feature Enables/Disables “Auto Pan” (full left-to-right movement) feature.

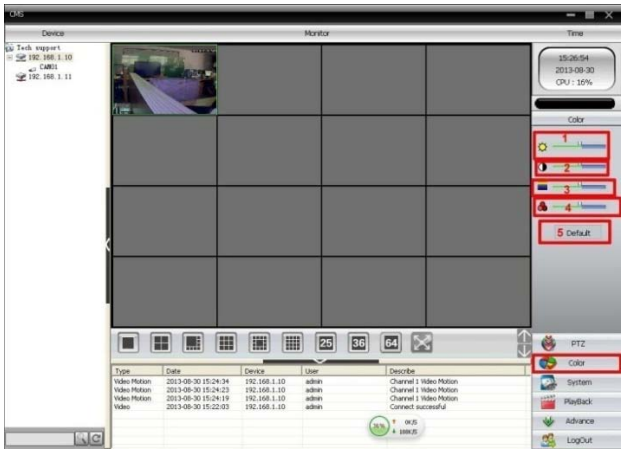
5. Preset

The PRESET bar allows you to create up to 255 preset camera points/positions. By creating a preset point you can have the IP camera memorize the position of the camera and use a number (PRESET) to identify its position which can then be played back by using the TOUR feature. For example, when setting up a PTZ camera located in the garage connected to channel 1, you can set preset number 1 to view the garage door, Preset 2 for the camera to rotate towards the right of the garage, and Preset 3 to change the angle of the camera to view the left side of the garage, etc. This will save you from manually changing the position of the camera. To add a preset point, first move the IP camera to the desired location, choose the Preset number, and click the “+” to add it or use the “-“ icon to delete it. To pan to preset position, simply select the preset number and then click on the “Goto” button.

6. Tour

The TOUR bar is used to create an automatic camera rotation (movement) based on the preset points/positions you created. To create a tour, select the Tour number from the drop down and then click the edit icon to bring up the tour window as shown in the image below. Next select the preset number you wish to start the rotation with and click the “Add Preset” button. Continue this process until all preset points have been added and then click on the “X” located at the top right corne to close the window.

Color



1. Brightness

The BRIGHTNESS adjustment bar is used to adjust the cameras brightness level.

2. Contrast

The CONTRAST adjustment bar is used to adjust the cameras contrast level.

3. Saturation

The SATURATION adjustment bar is used to adjust the cameras saturation level.

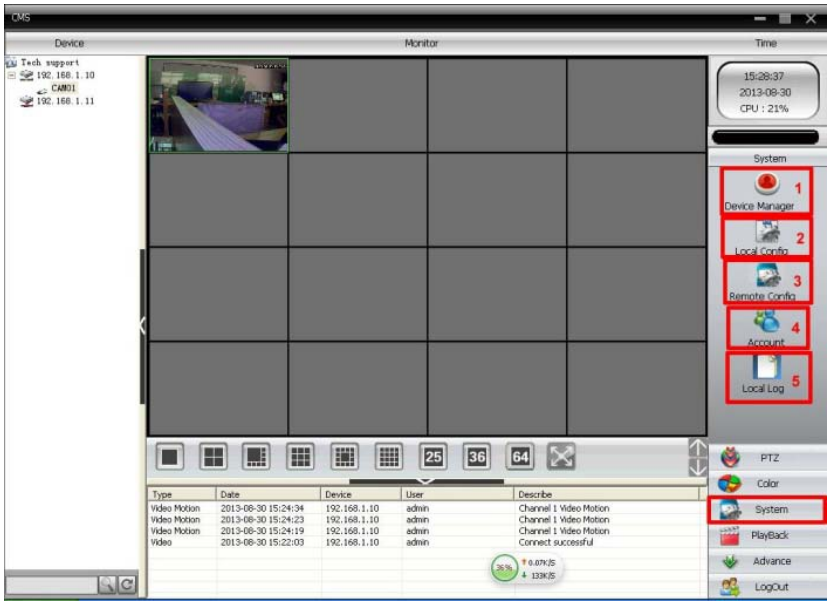
4. Hue

The HUE adjustment bar is used to adjust the cameras hue level.

5. Default

The DEFAULT option applies all the color settings to their factory defaults. All brightness, contrast, saturation, and hue will be defaulted back to 64 (manufacturer default settings).

System



1. Device Manager – used to add/remove cameras to/from the CMS.

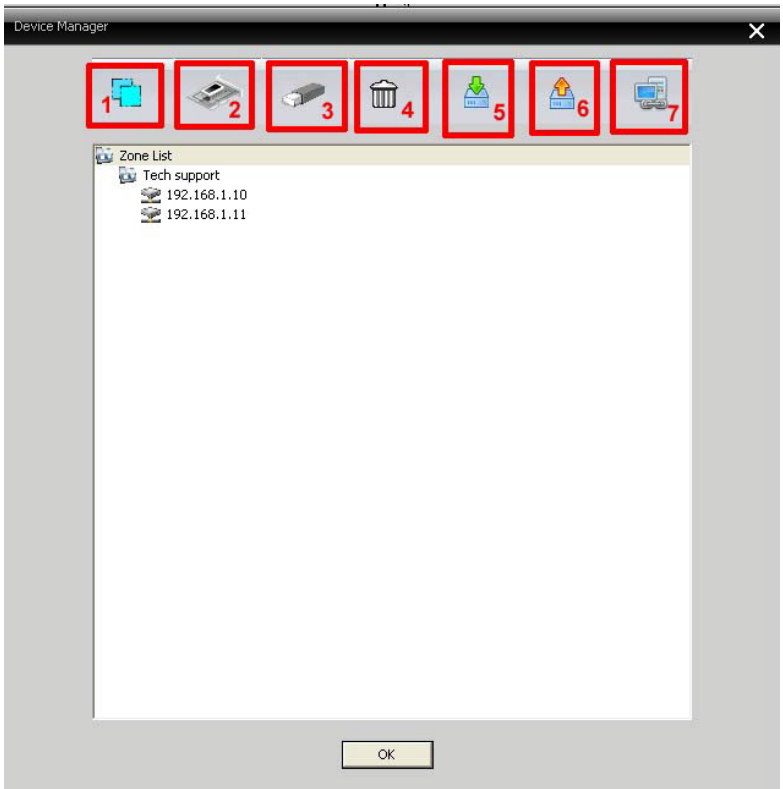
2. Local Config – consists of basic CMS network and recording settings.

3. Remote Config – used to configure your IP camerea settings and parameter

4. Account – used to manage CMS users and rights.

5. Local Log – used to view CMS event logs.

Device Manager



1. Area List – displays all the cameras that have been added to the CMS.

2. Add Area – used to add an area.

3. Add Device– used to add a IP camera.

4. Modify – used to modify area a camera connection settings.

5. Delete– deletes devices from the CMS.

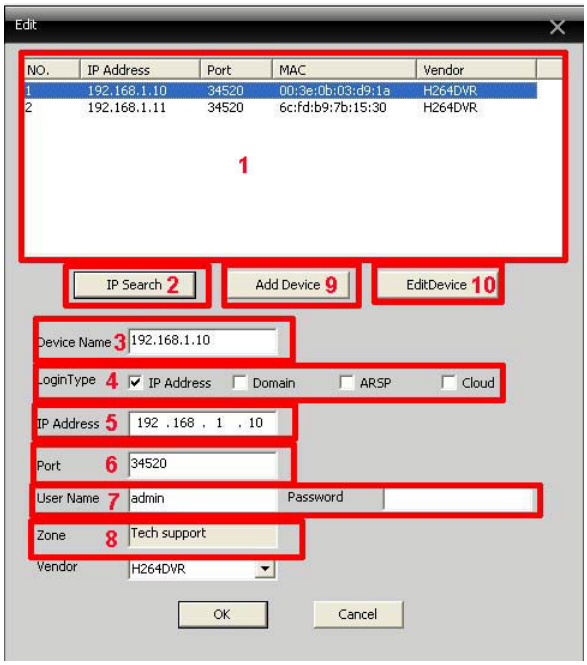
6. Import Config – imports saved device and area settings.

7. Export Config – saves the current camera/area settings.

8. Connection Test – IP Camera connection test.

Add Device

The **ADD DEVICE** option is your primary tool used to add cameras to the CMS. Clicking on the Add Device button will bring up the “EDIT” screen (as shown in the image below) which consists of the following options.



1. Device List – displays all devices found in the local area network.

2. IP Search – initiates the “find device” feature.

The default IP address given to the IP camera when connected via the Ethernet cable (wired) is 192.168.1.10 and 192.168.1.11 when connected over a wireless network (WiFi). If the IP address does not match your local area networking addresses, advanced down to the Edit Device/Add Device.

3. Device Name – allows you to manually name your IP camera.

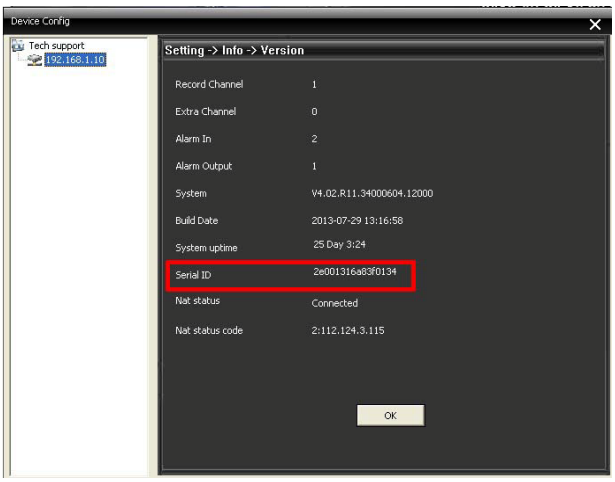
4. Login Type – used to specify the cameras login protocol.

- IP Address: Connectivity based on IP address configuration.
- Domain: Connectivity based on a Domain setup such as DDNS domain name.

  The **DOMAIN** edit box allows you to manually input the Domain name you’ve created from the free DDNS website, such as www.dyndns.com or www. no-ip.com. Once registered create a name such as name.dyndns.org to input into the “Domain” box. The Port, User Name, Password, and zone all need to comply as instructed above.

  NOTE: When using domain for DDNS service, it is not required to open ports from you router, however, UPnP is required to be enabled in your local router.
- Cloud: Connectivity based on Cloud or Serial ID type of connection. The serial ID can be found under Remote Config/Info/Version of the CMS software.

  NOTE: When using serial ID for Cloud, it is not required to open ports from you router, however, UPnP is required to be enabled in your local router.

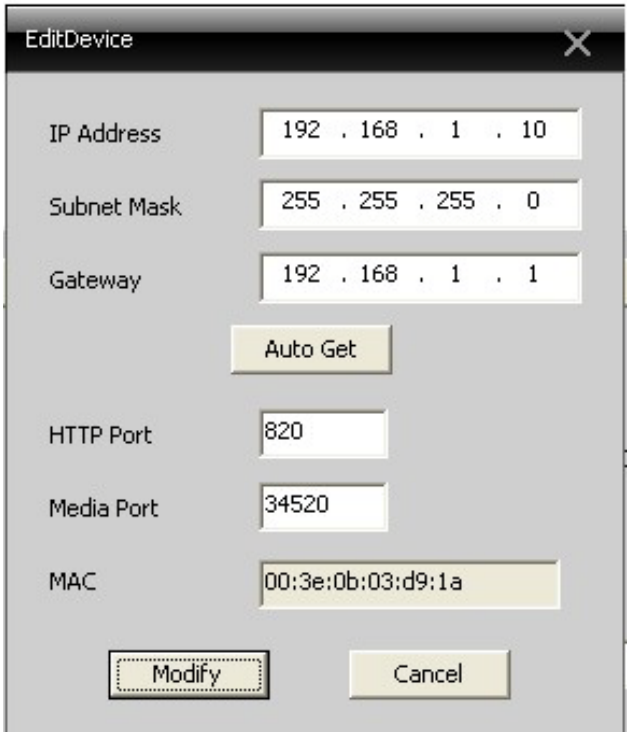


5. IP Address – cameras identification number that lets it be found over the Internet.

The **IP ADDRESS** edit box allows you to manually input the IP address that you have assigned for the IPcam-SD when

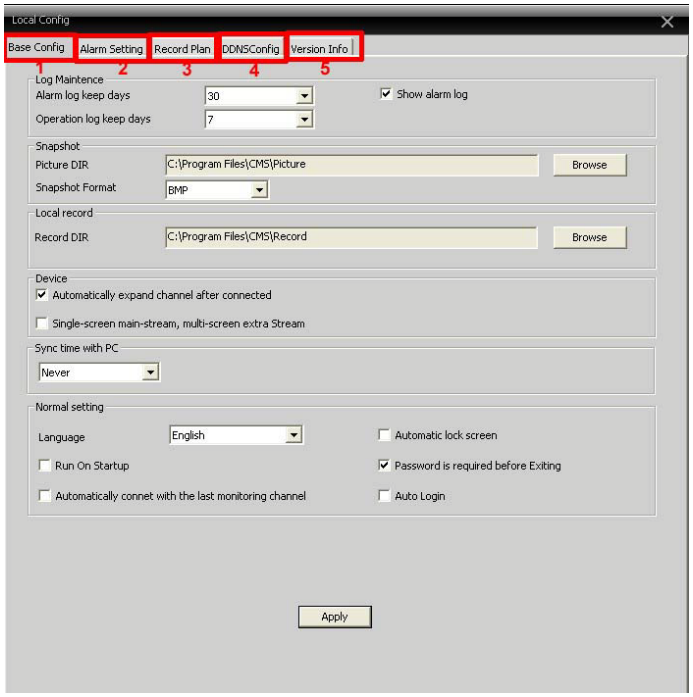
installing the CMS software on a device outside your network since using the “IP SEARCH” feature will be unable to locate your camera outside your network. The IP camera default IP addresses are 192.168.1.10 (Ethernet) and 192.168.1.11 (WiFi).

6. **Port – lets you specify the dev port to be used.**
7. **User Name & Password– user name & password that you assigned to the camera.**
   The default username and password associated with the IP camera is “admin” and “blank” (no password).
8. **Zone – zone that the camera will be added to.**
9. **Add Device** – adds the selected camera to the CMS.
10. **Edit Device –** used to edit the selected camera.
    The **EDIT DEVICE** option is used to save any changes that were made to the selected camera from the “Device List Window”. This is where you would want to change the default IP address of the IP camera to match with your local area network IP address, Subnet Mask, and Gateway. Clicking on the Edit Device option will bring up the “Edit Device Window” (as shown in the image below) to start editing. Please leave the HTTP Port to 80 (system default) and the Media Port to 34567 (system default) as recommended. The MAC address only identify the NIC card, please leave the MAC address as is.
    NOTE: If you are having difficulty using Internet Explorer to access, please change the HTTP port from 80 to other port such as port 83 or 85.
    The “AutoGet” button can be of help to obtain the correct IP address, Subnet Mask, and Gateway of your local area network settings. If you are unsure of what IP address to use please click on the “AutoGet” button and then change the last or the 4th sets of the “IP Address” to a higher number such as “178”.
    The “AutoGet” button can be of help to obtain the correct IP address, Subnet Mask, and Gateway of your local area network settings. If you are unsure of what IP address to use please click on the “AutoGet” button and then change the last or the 4th sets of the “IP Address” to a higher number such as “178”.



IMPORTANT NOTE: Please check with your IPS (Internet Service Provider) if you are unsure as to what IP address, Subnet Mask, and Gateway to use

Local CONFIG



1. Base Config – CMS recording configuration.

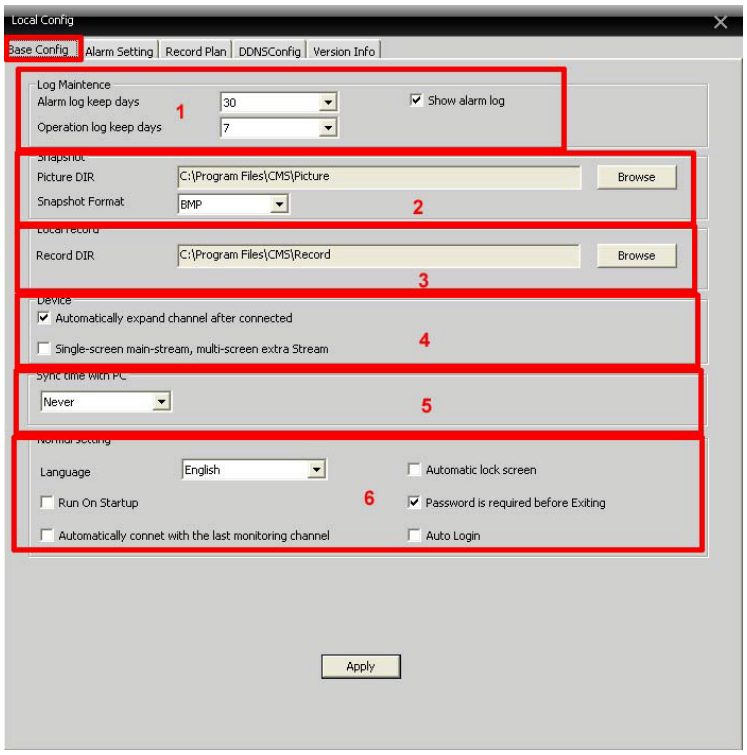
2. Alarm Setting – CMS alarm configuration.

3. Record Settings – Allows you to program the IP camera to record on specific days and times.

4. DDNSConfig – Factory defaulted

5. Version Info – Displays detailed device information.

BASE CONFIG



1. Log Maintenance –IP camera alarm log configuration.

2. Snapshot – snapshot file path and format settings.

3. Local Record – event (recording) file path configuration.

4. Device – used to configure the cameras start up options.

5. Sync Time With PC – schedule date/time sync configuration.

6. Start Up – CMS startup configuration.

LOG MAINTENANCE

SAVE ALARM LOG (DAY)

The SAVE ALARM LOG (DAY) feature allows you to specify how long of an alarm log the CMS should keep before removing its contents. Save alarm log consists of 7, 15, and 30 (default) days to save the log files.

SHOW ALARM LOG

The SHOW ALARM LOG option allows you to enable (default)/disable the real time alarm events that are displayed in the “Operation Log Window” of the CMS interface.

SAVE OPERATION LOG (DAY)

The SAVE OPERATION LOG (DAY) feature allows you to specify how long of an operation log the CMS should keep before removing its contents. Save operation log consists of 7 (default), 15, and 30 days to save the log files.

SNAPSHOT

PICTURE DIRECTORY

The PICTURE DIRECTORY feature allows you to specify the location (on your computer) that you would like to store the snapshots that are taken. To use this feature, simply click on the BROWSE button located to the right of the current destination description to make your selection. We recommend to use the default directory (C:\Program Files\CMS\Picture) for snapshots.

PICTURE FORMAT

The PICTURE FORMAT feature allows you to specify the type of file format (bmp (default) or jpg) that should be used when saving snapshots.

LOCAL RECORD

RECORD DIRECTORY

The RECORD DIRECTORY feature allows you to specify the location (on your computer) that you would like to store the recorded events. To use this feature, simply click on the BROWSE button located to the right of the current destination description to make your selection. We recommend that you use the default directory (C:\Program Files\CMS\Record) to record events.

DEVICE

AUTOMATICALLY EXPAND CHANNEL AFTER CONNECTED

Enabling the AUTOMATICALLY EXPAND CHANNEL AFTER CONNECTED feature allows the CMS software to automatically expand the list if you have more than 2 IP cameras listed in the same zone, the default setting is unchecked.

SINGLE-SCREEN MAIN-STREAM, MULTI-SCREEN EXTRA STREAM

The SINGLE-SCREEN MAIN-STREAM, MULTI-SCREEN EXTRA STREAM option will automatically use Main-Stream for all single channel live views and Extra- Stream when ever viewing multiple screen or more than single full screen view. This option is checked by default. Single-screen streaming may require more bandwidth, the image will be larger, and clearer than the extra stream depending on the main-stream and extra-stream settings.

SYNC TIME WITH PC

The SYNC TIME WITH PC option area located on the Base Config tab allows you to specify how often the CMS should update its date/time by synchronizing with your computer date and time.

START UP

LANGUAGE

The LANGUAGE drop down allows you to select the preferred language to be used for the CMS.

RUN ON START UP

The RUN ON STAR TUP feature allows the CMS to automatically run whenever the computer is turned on or restarted. If this option failed, please exit out from CMS and then right mouse click on the CMS short-cut and then select “Run as administrator”. The system default is unchecked.

MINIMIZE STARTUP

The MINIMIZE STARTUP feature allows the CMS GUI window to be minimize at the task bar when windows/CMS start up. Check the minimize startup to minimize CMS (system default) or unchecked to disable and prevent CMS from minimizing into the task bar.

AUTOMATICALLY CONNECT WITH THE LAST MONITORING CHANNEL

Enabling the AUTOMATICALLY CONNECT WITH THE LAST MONITORING CHANNEL feature allows the CMS software to automatically start up with displaying the same “live feed(s)” that were being monitored when the CMS was

shut down (close/exit). The system default is enabled.

AUTOMATIC LOCK SCREEN

The AUTOMATIC LOCK SCREEN feature allows the CMS to automatically lock the screen prompting the user to enter his/hers password in order to use the software. The system default is unchecked.

PASSWORD IS REQUIRED BEFORE EXITING

The PASSWORD IS REQUIRED BEFORE EXITING require the operator to input a password whenever attempting to exit out from the CMS software. Place a check (system default) mark to enable required password before exiting or unchecked to disable.

AUTO LOGIN

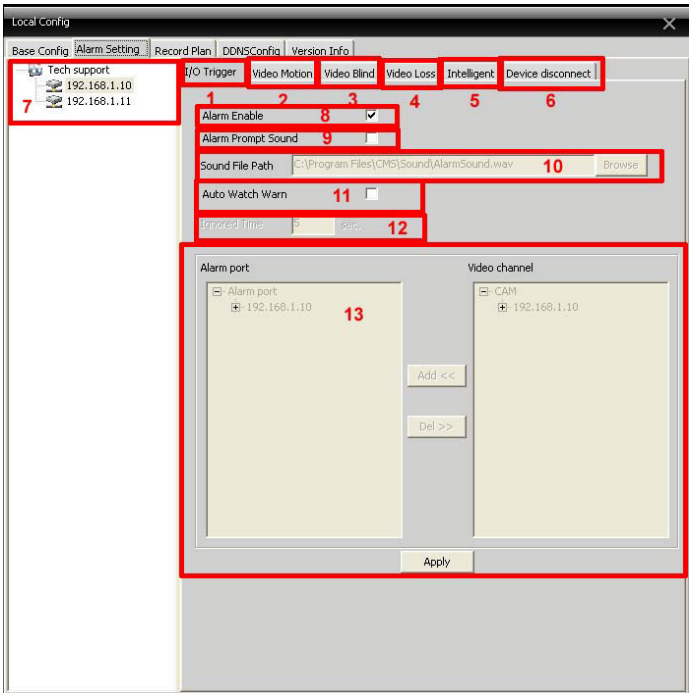
The AUTO LOGIN feature allows the CMS to automatically bypass the user and password logon screen whenever the software is initiated.

ALARM SETTING

I/O TRIGGER

7. **Device List** – used to select which device you want to configure.
8. **Alarm Enable** – enables the CMS to monitor I/O alerts.
9. **Alarm Sound** – enables/disables audible alert notification.
10. **Sound File Path** – used to specify the location of the sound file you want to use (.wave).
11. **Auto Watch Warn** –enables/disables “Single Channel” live view for the camera being triggered.
12. **Ignored Time** – full channel display time configuration.
13. **Camera Mapping** – camera-to-I/O mapping. Map the IP camera (right side) to the Alarm Input Mapping (left side) by selecting CAM1 and “Add”.

NOTE: Please remember to click the “APPLY” button located at the bottom of each tab to save your changes and click on the “X” located at the top right corner of the screen exit.



DEVICE LIST

The DEVICE LIST displays all the devices that are configurable by the CMS and currently established connection.

ALARM ENABLE

The ALARM ENABLE (system default) check box enables “I/O Trigger” options for the selected camera or unchecked to disable local PC alarm notification.

NOTE: None of the I/O Trigger options will be available (grayed out) if the Alarm Enable box is un-checked (disabled). When I/O Trigger is enabled and an event occurs, the system will only record video footages, no picture snapshots will be taken.

ALARM PROMPT SOUND

The ALARM SOUND enables/disables the audible alert that can be heard from your computer whenever an alarm is triggered. The system default setting is unchecked.

SOUND FILE PATH

The SOUND FILE PATH feature allows you to specify the location (on your computer) of the audible alert tone that you would like to be played whenever an event is triggered. To use this feature, simply click on the BROWSE button located to the right of the current destination description to make your selection.

AUTO WATCH WARN

The AUTO WATCH WARN check box will allow the CMS to display the triggered channel in a “Single Channel Full Screen” for the set time frame when alarm I/O occurs.

IGNORED TIME

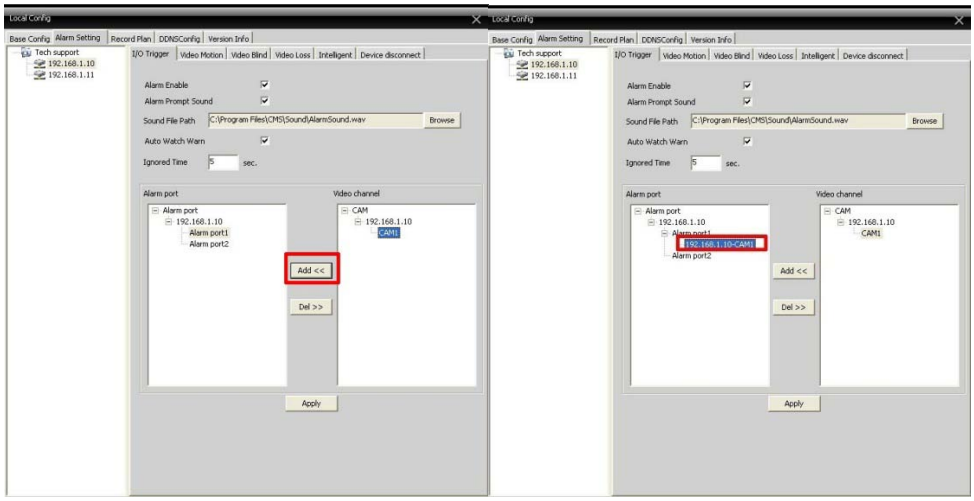
The IGNORED TIME edit box is use to specify how long (in seconds) the CMS will display the triggered camera in “single channel full screen” mode when alarm I/O occurs.

CAMERA MAPPING

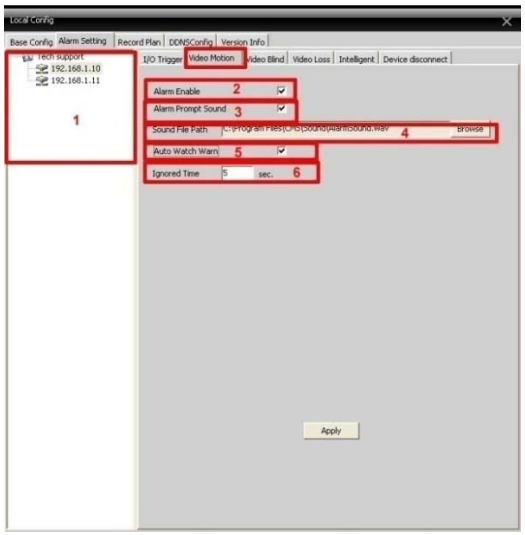
The CAMERA MAPPING area is used to map the I/O terminal to the camera which allows to CMS to keep track and log I/O alerts. To map the I/O terminal to your camera:

1. Select the camera you want to map from the device list.
2. Click on “Alarm Input Mapping1” under the alarm Input Mapping area.
3. Expand and highlight “CAM1” under the IP Camera area and click on the “Add <<” button to send the camera to the Alarm Input Mapping area.

NOTE: You will be prompted to confirm your selection after clicking on the “Add” button. To un-map your camera, simply highlight the camera in the Alarm Input Mapping area and click on the “Del >>” button.



VIDEO MOTION

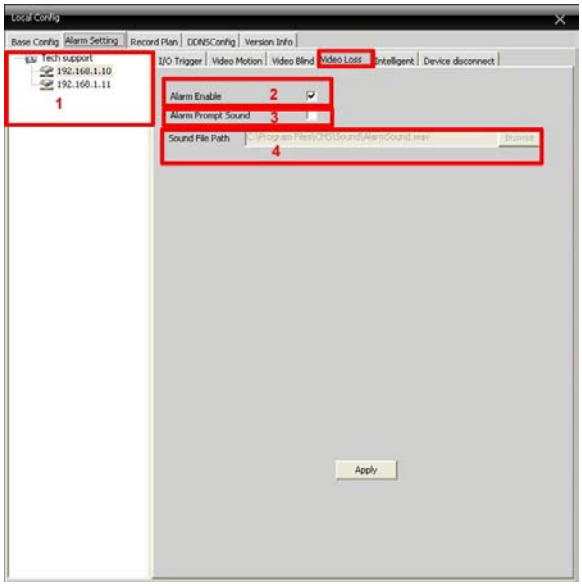


1. Device List – used to select which device you want to configure.

2. Alarm Enable – enables the CMS to monitor video motion alerts.

3. Alarm Prompt Sound – enables/disables audible alert notification.
4. Sound File Path – used to specify the location of the sound file you want to use.
5. Auto Watch Warn – enables/disables “Single Channel” live view for the camera being triggered.
6. Ignored Time – full channel display time configuration.

VIDEO BLIND

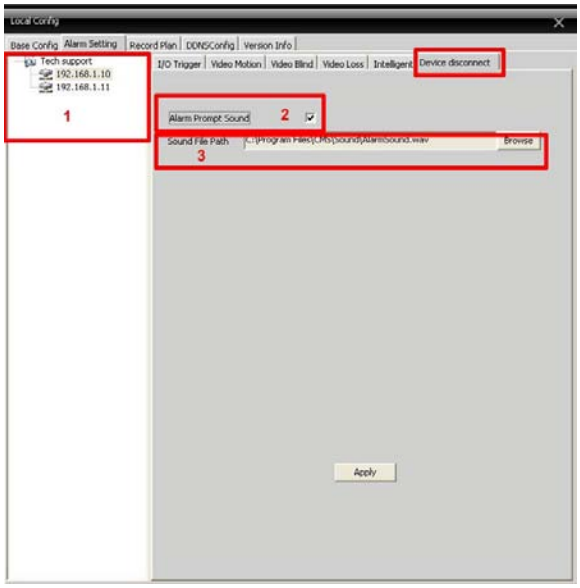


1. Device List – used to select which device you want to configure.
2. Alarm Enable – enables the CMS to monitor video blind alerts.
3. Alarm Prompt Sound – enables/disables audible alert notification.
4. Sound File Path – used to specify the location of the sound file you want to use
NOTE: Please remember to click the “**APPLY**” button located at the bottom of each tab to save your changes and click on the “**X**” located at the top right corner of the screen exit.

Video Loss
It works and operates the same way as video blind!

Intelligent (Not applicable)

Device disconnect



1. Device List – used to select which device you want to configure.
2. Alarm Prompt Sound – enables/disables audible alert notification.
3. Sound File Path – used to specify the location of the sound file you want to use.

RECORD PLAN

1. Basic Settings – basic record settings.

OVERWRITE

The OVERWRITE option allows you to enable the CMS to record continuously once the hard drive is full. Once the hard drive is full, the CMS will stop recording unless the OVERWRITE option is enabled (checked). When enabled, the CMS will automatically start recording over previously recorded footage ensuring that the software will record new events as they occur. The system default setting for overwrite is unchecked for Local Config.

MANUAL RECORD LENGTH

The MANAUL RECORD LENGTH edit box allows you to specify the maximum length (in minutes) of each recorded event can be before generating a new file. All manual recording will be record into c:\\Program Files\CMS\Record folder (default directory).

NOTE: This feature will only affect motion detection recording if motion is being detected continuously. This parameter is set to manually records to your local PC drive space.

ALARM RECORD LENGTH

The ALARM RECORD LENGTH edit box allows you to specify the maximum length (in minutes) each alarm (motion detection and alarm I/O) event can be before generating a new file. The parameter is set to record alarm files to your local PC drive space. All alarm events recording will be stored in a folder called “Record” under the selected storage drive or DISK LIST below.

DISK LIST

The DISK LIST area displays all the partitions (hard drives) that are available for you to select as the CMS main recording partition. DISK LIST displays the total size of the disk, the number of megabytes used, the number of megabytes free and the disk space available for recording. Please note that all alarm events will be distributed to different folders located in the root directory of the selected drive. For example, say drive C:\ is selected then the regular recorded files will be stored in the “Record” folder under C:\Record directory, motion detection and video blind alarm files will be stored in the “MotionRecord” folder under C:\Record\MotionRecord directory, and the alarm input file will be stored in the “AlarmRecord” folder under C:\Record\ AlarmRecord directory.

NOTE: Supports external attached storage device and network drives. Alarm Event only records video footages, it does not record snapshots/pictures.

2. Device List – used to select which device you want to configure.

The DEVICE LIST displays all the devices that are configurable by the CMS and currently established connection.

3. Schedule Type Selector – used to select the type of plan to use.

The SCHEDULE TYPE SELECTOR is used to send the plan (schedule) template from the plan template area to the selected day of the week. To use a plan, simply highlight the plan under Plan Template window and then click on the “<---” button located to the right of each day.

NOTE: you can use the same plan for each day of the week by clicking on the “All” button.

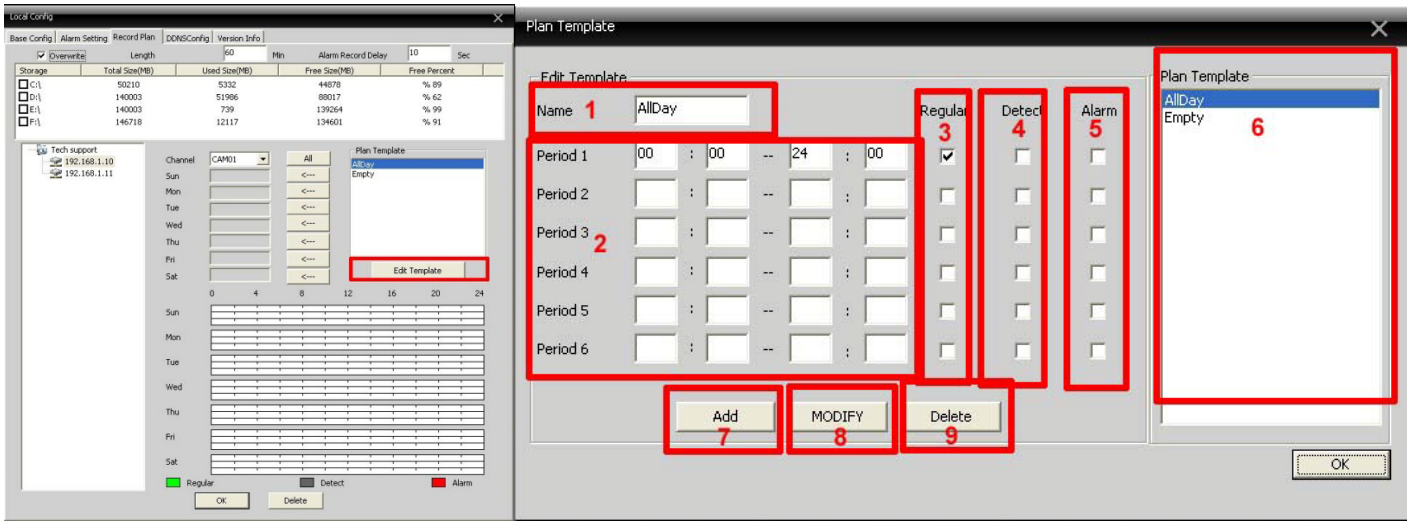
4. Plan Template Window – used to select and create schedules.

The PLAN TEMPLATE WINDOW area located on the Record Setting tab lets you set up to 6 different recording periods and 3 different recording types (per period) for each day of the week. By doing this, you can create templates that will allow you manipulate when the IP camera should record and the type of recording that should be implemented during the set schedule (Regular, Detect, Alarm), thus saving space and the amount of unwanted recordings that would be generated during a 24hr manual recording implementation. Located on the Plan Template area is an “Edit Template” button which will allow you to edit and create template settings as needed. Please note that there are 2 pre-labeled templates that you can use called:

- **Allday** – nonstop recording (records continuously throughout the set time frame and dates).
- **Empty** – no scheduled recording (00:00-00:00)

EDIT TEMPLATE

The EDIT TEMPLATE button located on the Record Setting tab lets you edit any of the pre-configured plan templates and even create a new one based on your requirements. To begin, click on the “Edit Template” button using your mouse to bring up the “PLAN TEMPLATE SCREEN” as shown in the images below.



1. Name – plan name edit/input box.

The NAME EDIT box allows you to create/edit the current plans name tag. For example if you wanted to rename "AllDay" to "Continuous" (for 24hr recording) you would highlight the "AlDay" plan name from the Plan Template Window, click in the NAME EDIT box to edit the name tag and then click the MODIFY button to make the change.

2. Period – start and end time parameters.

The PERIOD configuration allows you to set up to 6 individual "START" and "END" recording times per template. To adjust these options simply move the mouse cursor over the TIME VALUE you wish to change and use your key board to input the times as needed.

NOTE: You set up to 6 different recording periods and 3 different recording types (per period) for each day of the week.

3. Regular – enables continuous recording for the set period (time frame).

The REGULAR check box enables/disables Continuous "none stop" recording throughout the set time/period. All "Regular" scheduled recording footages will be stored in the directory of the drive letter chosen under DISK LIST inside a folder called "Record", ie. C:\Record\(device name) folder.

4. Detect – enables motion detection for the set period (time frame).

The DETECT check box enables/disables Motion Detection recording throughout the set time/period. All "Detect" or motion detection scheduled recording footages will be stored in the directory of the drive letter chosen under DISK LIST inside the "Record" folder under the sub-folder "MotionRecord", ie. C:\Record\MotionRecord folder.

NOTE: The "Detect" scheduled recording are accountable for Video Blind recording. All video blind event recording will also be stored in the "MotionRecord" folder, ie. C:\Record\MotionRecord folder.

5. Alarm – enables alarm activated recording for the set period (time frame).

The ALARM check box enables/disables Alarm I/O triggered recording throughout the set time/period. All "Alarm" or alarm input scheduled recording footages will be stored in the directory of the drive letter chosen under DISK LIST inside the "Record" folder under the sub-folder called "AlarmRecord", ie. C:\Record\AlarmRecord folder.

6. Plan Template Window – displays all templates that have been created.

The PLAN TEMPLATE WINDOW displays all templates that have been created.

7. Add – used to create a new plan template.

The ADD button allows you to create a new plan template. To create a "NEW" plan template, simply enter the plan's name in the Name edit box, set your recording times/types parameters and click on the ADD button to save and create your template.

8. Modify – used to modify an existing plan.

The MODIFY button allows you to modify an existing plan template. For example if you wanted to rename "AllDay" to "Continuous" (for 24hr recording) you would highlight the "AlDay" plan name from the Plan Template Window, click in the NAME EDIT box to edit the name tag and then click the MODIFY button to make the change. These steps also apply to time/type changes.

9. Delete – used to delete an existing plan that is no longer needed.

The DELETE button is used to delete any of the existing plan templates. To delete an existing template, simply select the plan from the Plan Template Window and click the "Delete" button to delete it.

NOTE: Please remember to click the "**OK**" button located at the bottom right corner of the window save your change and click on the "**X**" button to exit.

VERSION INFO

The "Version Info" or CMS version tab located in the PC Config settings displays specific CMS device information. This information includes:

- Video – 1.0.0.5 (factory use only)
- Decoder – 2.3.0.16 (factory use only)
- Device Config – 2.0.9.13 (factory use only)
- Net – 3.0.7.10 (factory use only)
- Playback – 2.0.2.6 (factory use only)
- Build Date – Dec 29 2012 14:11:02 3.0.9.11 (factory use only)

The above versions information are for factory use only to help us identify current video, decoder, device config, net, playback, and when the software are built

REMOTE CONFIG

1-5. Main Menu Icons – displays all the menu options available in the IP camera Config.

1. **Record** – Used to set up the IP camera's video and photo recording parameters.
2. **Alarm** – Used to set up the IP camera's alarm parameters.
3. **System** – Used to configure the IP camera's network and device parameters.
4. **Advanced** – Used to configure advanced IP camera parameters.
5. **Info** – Used to view memory and version information.

6. Device List – displays all the devices that are controlled by the CMS.

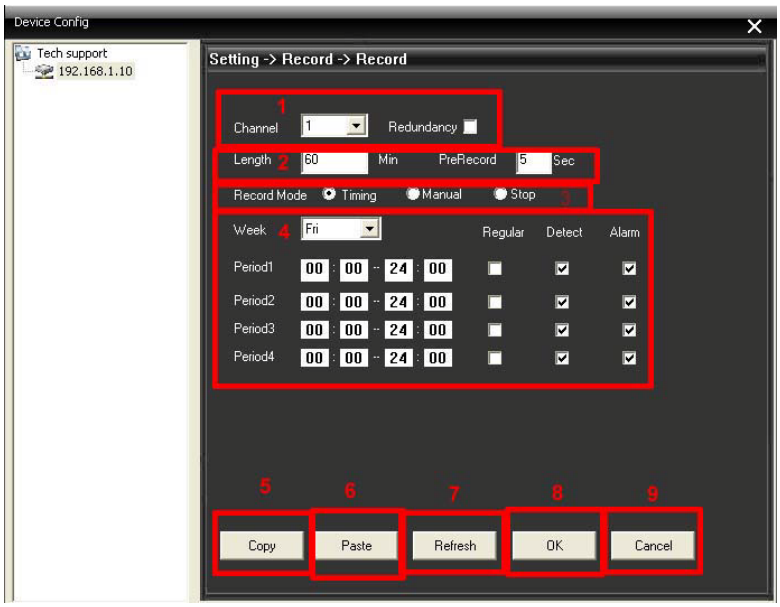
7. Sub Menu Icons – displays all the sub menu options available for each of the Main Menu options selected.

RECORD

1. Record – Video recording configuration.

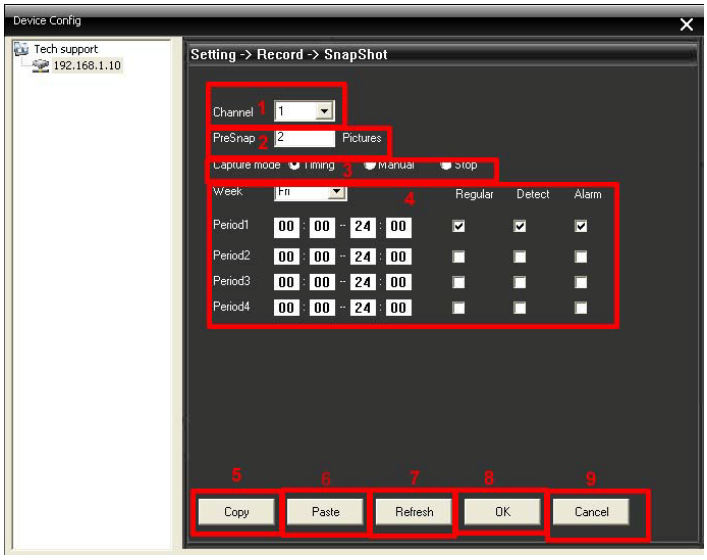
2. Snapshot – Photo snapshot configuration.

Record:



1. **Channel** – used to select which camera you want to configure.
   The CHANNEL selection is defaulted to channel 1 and cannot be selected.
2. **Length** – used to specify the length of each recording segment.
   The maximum length for each segment is 120 minutes. The LENGTH of recording is used for manual and schedule recording.
   The PRE-RECORD option is used to specify the number of seconds the system should start to record before motion detection, video blind, or alarm input occurs. Pre-recording setting ranges from 1~10 seconds, the default is set to 5 seconds pre-recording.
3. **Record Type** – used to implement a recording structure.
   • Schedule – lets you create up to 4 different recording schedules for each day of the week.
   NOTE: The schedule will not be taken into effect if there is a schedule set under the video motion settings.
   • Manual – enables 24 hour video recording.
   • None – disables manual recording.
4. **Schedule Area** – used to setup a recording schedule.
   The SCHEDULE AREA lets you set up to 4 different recording periods for each day of the week. By doing this, you can create schedules that will allow you manipulate when the IP camera should start and stop record thus saving space and the amount of unwanted video footage that would be generated during a 24hr manual recording implementation.
   Located on the Schedule Area is a “Day “drop down option which will allow you to select the day of the week (or all) that you want to schedule recording for and check boxes that allow you enable/disable the selected time frame.
5. **Copy** – copies the current configuration settings.
6. **Paste** – pastes the configuration settings to the selected camera.
7. **Refresh –** refresh all changes
8. **OK** – saves the changes.
9. **Cancel** – exits the menu without saving the changes.

SNAPSHOT



1. Channel – used to select which camera you want to configure.

2. PreSnap – used to specify the amount of photos to be taken when an event occurs.
The maximum number of snapshots per event is is 30. Please limit this number to under 5 photos, any number set higher can create more traffic in your network. The system default setting is 2 photos per event.

3. Record Type – used to implement a recording structure.
• Schedule – lets you create up to 4 different recording schedules for each day of the week.
NOTE: The schedule will not be taken into effect if there is a schedule set under the video motion settings.
• Manual – enables 24 hour snapshots (1 snapshot every 5 seconds).
• None – disables manual recording.

4. Schedule Area – used to setup a recording schedule.
The SCHEDULE AREA lets you set up to 4 different recording periods for each day of the week. By doing this, you can create schedules that will allow you manipulate when the IP camera should start and stop taking snapshots thus saving space and the amount of unwanted photos that would be generated during a 24hr manual implementation. Located on the Schedule Area is a “Day “drop down option which will allow you to select the day of the week (or all) that you want to schedule recording for and check boxes that allow you enable/disable the selected time frame.

5. Copy – copies the current configuration settings.

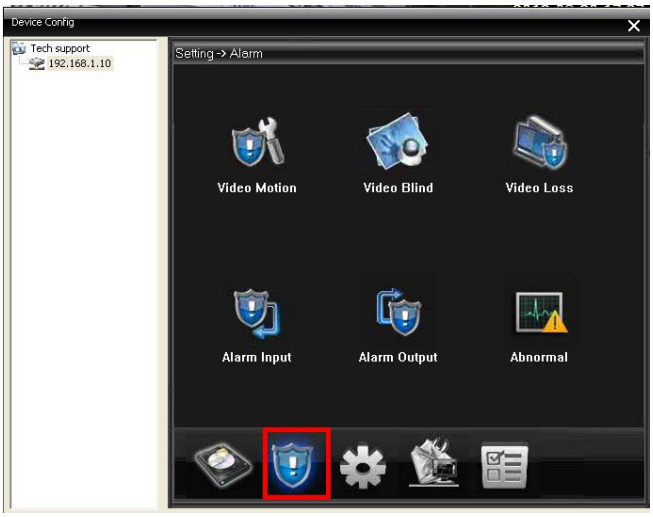
6. Paste – pastes the configuration settings to the selected camera.

7. Refresh – restores any changes made.

8. OK – saves the changes.

9. Cancel – exits the menu without saving the changes.

ALARM



1. Video Motion – Motion detection configuration.

2. Video Blind – Video blind configuration.
3. Video Loss – Video loss configuration
4. Alarm Input – Alarm I/O configuration.
5. Alarm Output – Alarm output configuration supporting up to 5VDC output devices.
6. Abnormal – Camera malfunction/alert configuration.

VIDEO MOTION

1. Channel – used to select which camera you want to configure.
2. Enable – enables/disables motion detection alerts.
The ENABLE option is used to enable (checked) and disable (default, un-checked) motion detection event recording and notifications.
3. Sensitivity (drop down) – used to adjust the motion detection sensitivity level.
The SENSITIVITY select drop down allows you to set the motion detection sensitivity level. This sets the motion sensitivity level for motion detection which controls all recording and alerting functions when applicable. To set the sensitivity level for your IP camera, move your cursor over to the drop down arrow and left click it to display the options available. The sensitivity level ranges from Lowest, Lower, Middle (default), High, Higher, and Highest
The Region Setting button allows you to set the area masking for motion detection. Simply use the left mouse click and hold and then drag diagonally up or down to select and de-select the masking areas. The area of masking will displayed as light sky blue and the non masking area will show the camera image. Click OK to confirm or CANCEL to cancel area detection setup.
4. Period – used to setup a recording schedule.
The PERIOD button lets you set up to 4 different recording periods for each day of the week. By doing this, you can create schedules that will allow you to schedule when the IP camera should start and stop implementing motion detection recording, thus saving space and the amount of unwanted recordings that would be generated during a 24hr manual recording.
NOTE: This schedule is dedicated for video motion detection schedule when motion detection should be on or off, not related to the schedule used in video and snapshot.
NOTE: Muliti location masking can be used within the camera image.
5-6. Action Area – used to control what the IP camera should do when an event occurs.
- **Alarm Output (Not applicable for models without I/O terminal port!)** – It enables the IP camera's alarm output device that is connected to the I/O terminal (output terminal supports 5VDC) to come on when motion occurs.
- **Record Channel** – enables video recording to save to the Micro SD card.
- **Snapshot** - enables photo snapshots to save to the Micro SD card..

7. PTZ Activation (Not applicable for models without PTZ function!) –It enables motion activated tour and preset
The PTZ ACTIVAION button lets you select the tour/preset that you would like to use when ever motion has been detected. This feature also consists of a DELAY (post-movement) time frame that lets you dictate how much longer the

IP camera should keep touring after its default 10 second (per motion detection event) recording has expired.

NOTE: To use PTZ Activation for Preset and Tour, be sure to pre-set the Preset positions and preset the Tour positions in the “PTZ” section of the CMS software.

8. Notification Area – used to select how you want to be notified when an event occurs.

- **Show Log** – shows event activity in the system event log.
- **Send Email** – enables email alerts with picture attachments to the email setup in the NetService section of the CMS software. To set the number of email per event, go to REC/PlayBack/ Snaphot/Pictures (system default is 2 pictures per event).

NOTE: Sending email can only attached pictures only, not video.

- **FTP** – streams the event to your FTP site, supporting both video and picture streaming. To setup an FTP account, go to System Netservice/FTP.

9. Interval – motion detection delay time to record.

The INTERVAL is the time frame to dictate when the IP camera should start recording whenever motion is detected. For example, if motion is detected at 5:00:00 pm and you have the interval set to 15 seconds, the actual recording will not take place until 5:00:15 pm.

NOTE: Please take into consideration that the Interval time will be subtracted from the “Pre-Record” time frame. The system default setting is interval 1 second, the earliest the system can start to record on an event. To extend the event start time to record please set to a higher value.

10. Delay – post-Record time frame.

The DELAY (post-record) time frame lets you dictate how much longer the IP camera should keep recording after its default 10 second (per motion detection event) recording has expired. For example, if motion is detected at 5:00:00 pm and you have the delay time set to 15 seconds, the actual recording will not stop until 5:00:35 pm (10 second default + 15 second delay).

11. Copy – copies the current configuration settings.

12. Paste – pastes the configuration settings to the selected camera.

13. Refresh – restores any changes made.

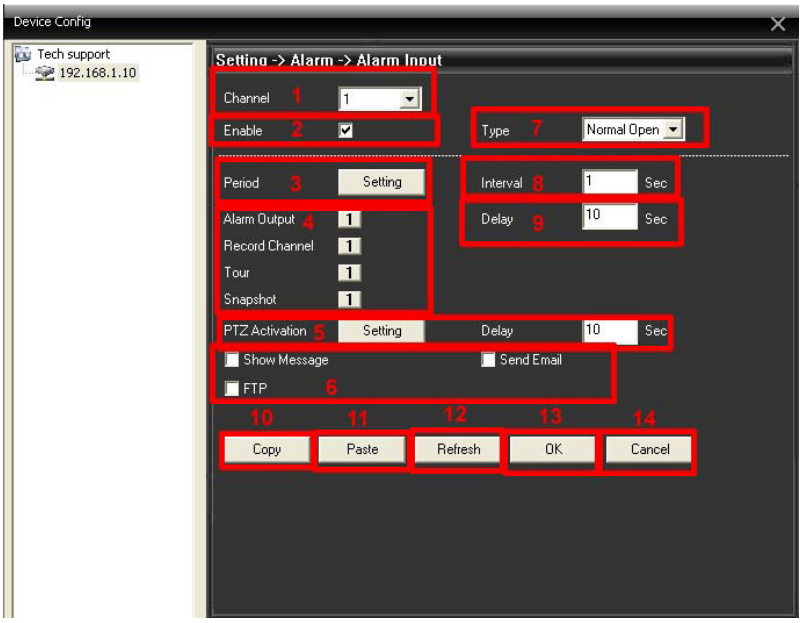
14. OK – saves the changes.

15. Cancel – exits the menu without saving the changes.

VIDEO BLIND & VIDEO LOSS

Please refer to Video Motion instruction listed above!

ALARM INPUT(Not applicable for the models without I/O terminal!)



1. Channel – used to select which camera you want to configure.

2. Enable – enables/disables alarm input alerts.

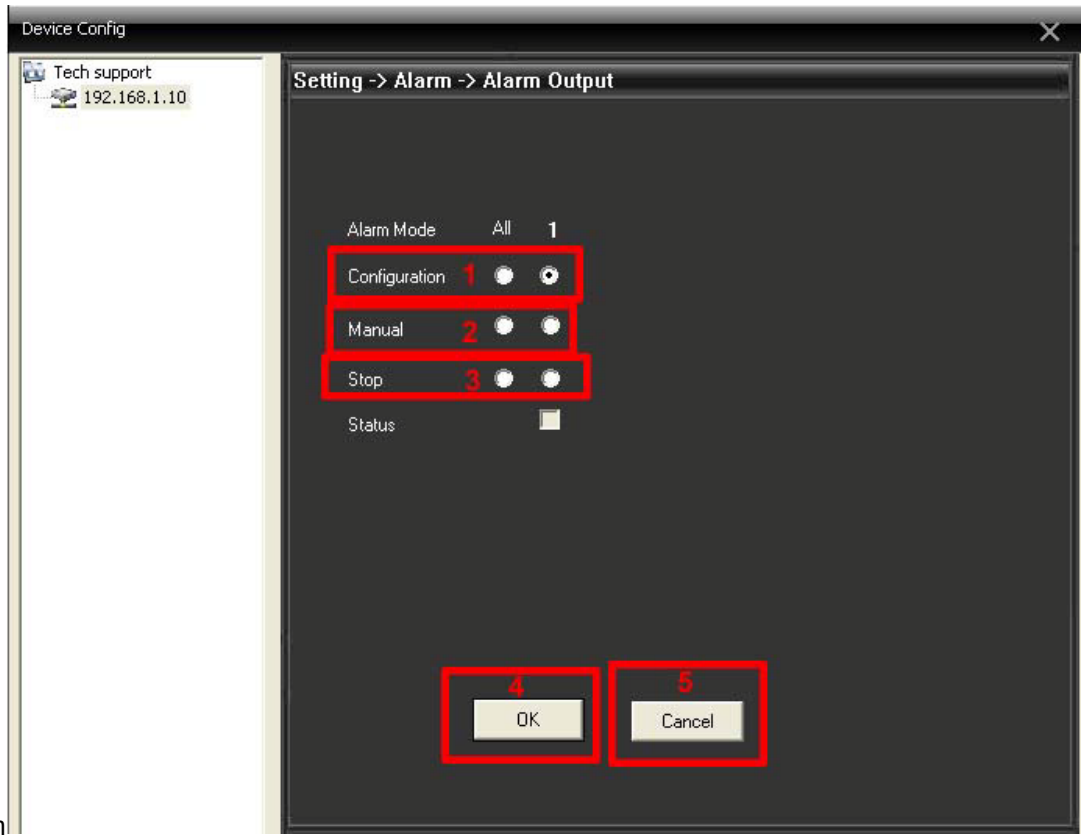
3. Period – used to setup a camera failure schedule.
4. Action Area – used to control what the IP camera should do when an event occurs.
5. PTZ Activation – enables alarm input activated tour and preset movement.
6. Notification Area – used to select how you want to be notified when an event occurs.
7. Type – used to select the type of I/O protocol to be used.

- **Normal Ope**n – used when the input device is normally open status by default, please reference the input device specification. If you are unsure of the specification please use the default setting Normal Open.
- **Normal Closed** – use when the input device is normally close status

8. Interval – alarm input delay time to record.
9. Delay – post-Record time frame.
10. Copy – copies the current configuration settings.
11. Paste – pastes the configuration settings to the selected camera.
12. Refresh – restores any changes made.
13. OK – saves the changes.
14. Cancel – exits the menu without saving the changes.

ALARM OUTPUT (Not applicable for the models without I/O terminal!)

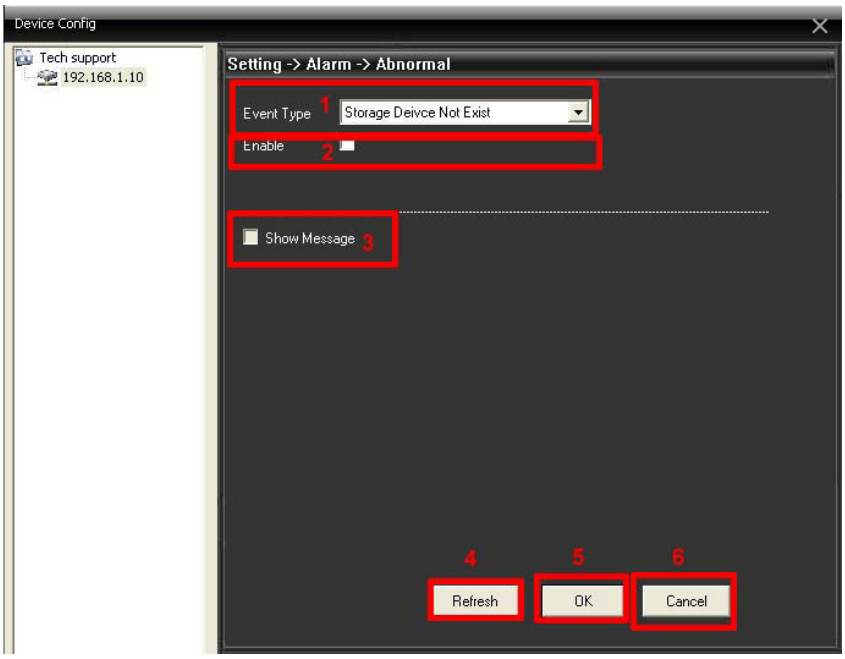
1. Configuration - operates on the configuration settings that are being used on for the alarm input.



The output port is pin #3 and #4, please use an output device that supports 5VDC only. Using other output devices that has higher power rating or self powered output devices may not be supported.

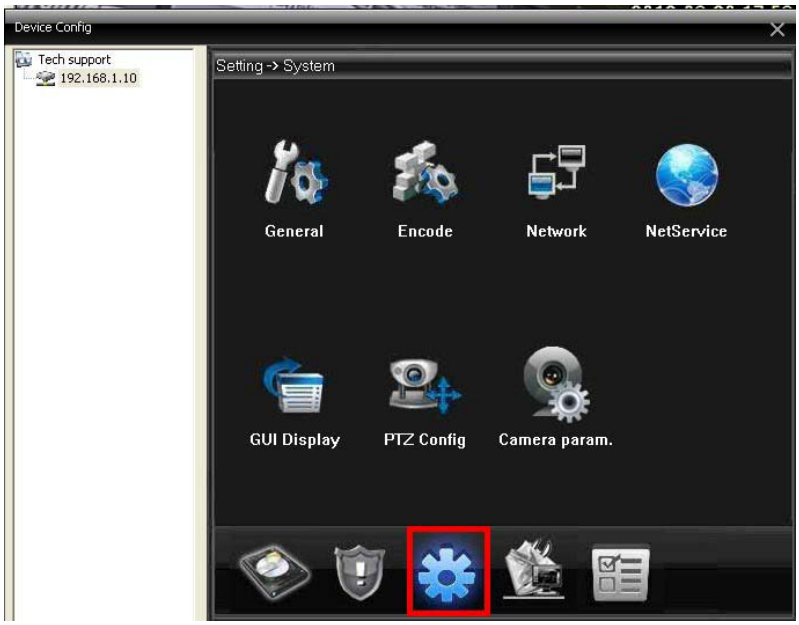
2. On - enables the alarm output port based on a 24hr default settings.
Notice the “Status” is automatically checked whenever “On” is selected.
3. Off - disables the alarm output port.
4. OK - saves the changes.
5. Cancel – exits the menu without saving the changes

ABNORMAL



1. **Event Type** (drop down) – used to select which monitoring feature you want to enable.
   - **SD Card Not Found** – sends an alert when the IP camera cannot locate the SD card.
   - **Insufficient Memory** – sends an alert when SD card does not have enough space for recording based on the percentile setting under the “Less Than %” option.
   - **SD Card Un-Readable** – sends an alert when the IP camera cannot read the SD card.
   - **IP Conflict** – sends an alert when the IP camera’s IP address comes into conflict with another device.
2. **Enable** – enables/disables monitoring alerts.
3. **Show Log** – used to adjust the motion detection sensitivity level.
4. **Refresh** – restores any changes made.
5. **OK** – saves the changes.
6. **Cancel** – exits the menu without saving the changes.

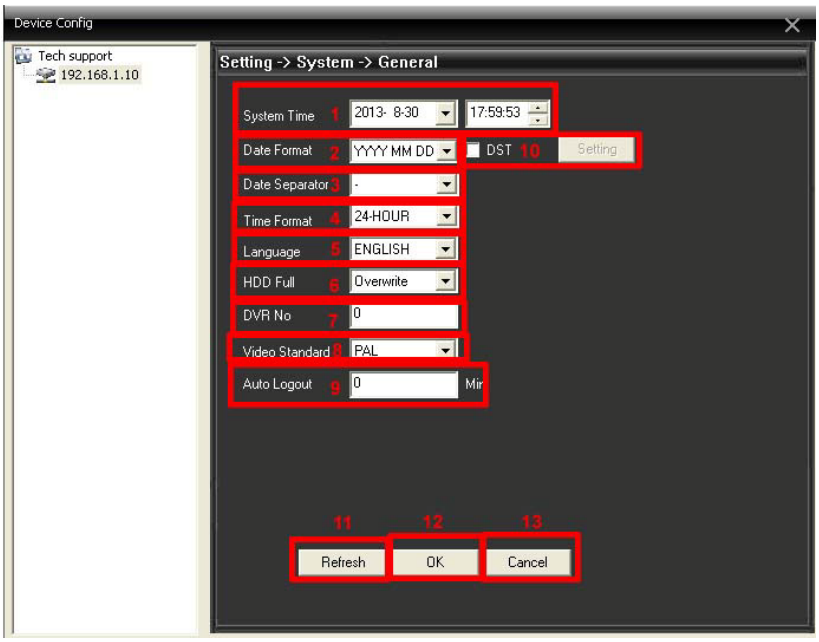
SYSTEM



1. **General** – Time/Date configuration.
2. **Encode** – Video quality configuration.
3. **Network** – Network configuration.
4. **Net Service** – Network services configuration.
5. **GUI Display** – Camera configuration.
6. **PTZ Config** – PTZ configuration **(Not applicable for the models without PTZ function!)**

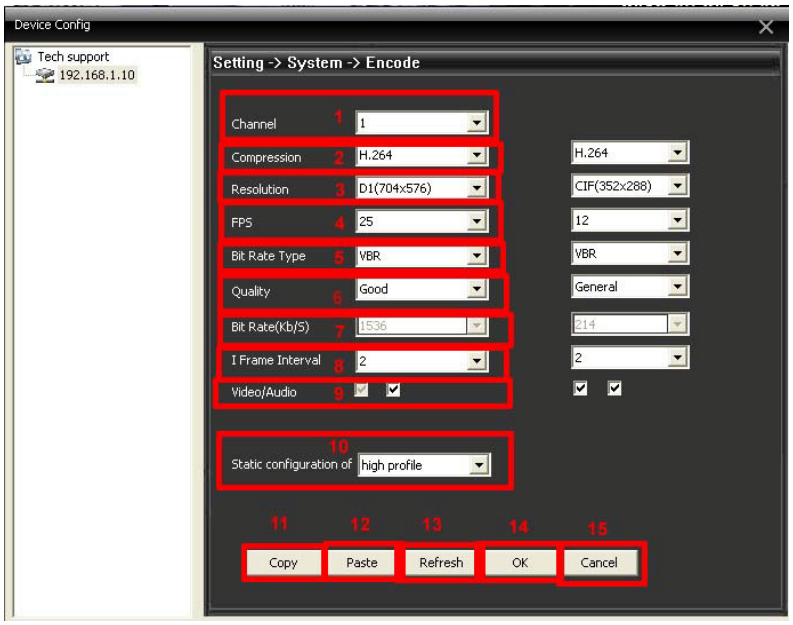
7. Camera Parameter – Camera parameter's configuration **(Please consult factory's engineer before using!)**

GENERAL



1. System Time – used to set the IP camera's time/date.
2. Date Format – used to set the IP camera's date format.
3. Date Separator – used to set the IP camera's date separator.
4. Time Format – used to set the IP camera's time format.
5. Language – used to set the IP camera's display language.
6. HDD Full – used to enable/disable the overwrite feature of the SD card.
7. DVR No – no function.
8. Video Standard – NTSC/PAL video format.
9. Auto Logout – used to set duration of auto logout
10. DST - used to enable and configure the IP camera for daylight savings.
11. Refresh – restores any changes made.
12. OK – saves the changes.
13. Cancel – exits the menu without saving the changes.

ENCODE



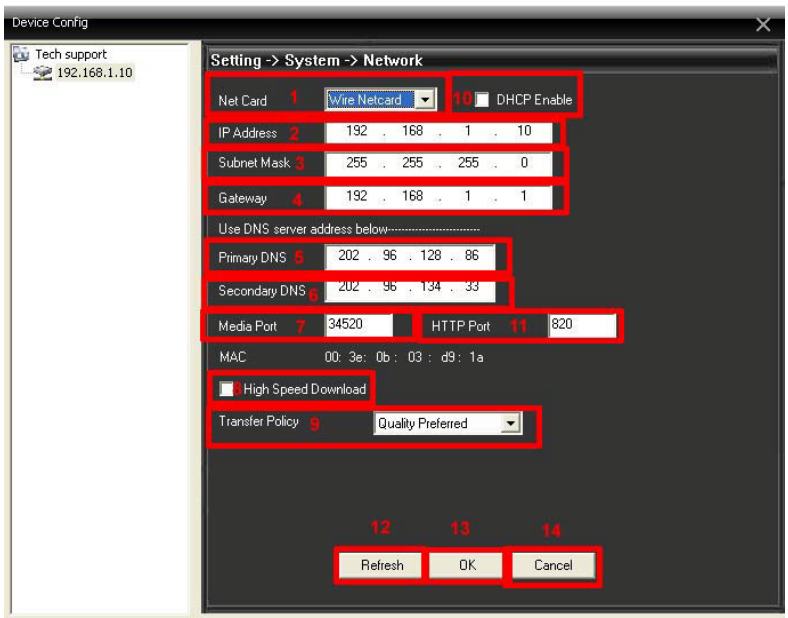
Notice: Here you can make changes to both "Extra Stream" (On Right Side) and "Main Stream" (On Left Side)

individually.

1. **Channel** – system default to channel 1 and it cannot be change.
2. **Compression** – default to H.264 compression, not configurable.
3. **Resolution** – resolution configuration.
4. **FPS** – frames per second configuration.
5. **Bit Rate Type** – Constant or Variable Bit Rate selection.
6. **Quality** – lets you define the quality of the video being recorded (only available when VBR is selected the Bit Rate Type).
7. **Bit Rate** (kb/s) – video bitrate configuration (only available when CBR is selected the Bit Rate Type).
8. **Frame Interval** (sec) – is Intra Frame Interval set to stream only the changes in frame for faster and smoother video steaming.
9. **Video/Audio** –The VIDEO/AUDIO option is used to enable (default, checked) and disable (un-checked) audio or video for the selected stream type (Main, Extra).

   NOTE: The audio must be checked (system default) to listen in on the IP camera from your CMS software. To listen in on the IP camera, check this option and then right mouse click on the camera image of the GUI and then select Audio.
10. **Static Configuration of** – controls the level (baseline, main profile, and high profile) of CMS configuration. Please set to high profile (recommended, system default) for lossless video encoding, highest efficiency.
11. **Copy** – copies the current configuration settings.
12. **Paste** – pastes the configuration settings to the selected camera.
13. **Refresh** – restores any changes made.
14. **OK** – saves the changes.
15. **Cancel** – exits the menu without saving the changes.

NETWORK



1. **Net Card** – used to select the type of network you want to configure
2. **IP Address** – IP camera's identification number that lets it be found over the Internet.

   To obtain an IP addresses go to the computer that is on your local area network. Go to the command prompt; Start>All Program>Accessories>Command Prompt, type in "ipconfig" and look for the IPv4 address. Copy the first 9 digits IP number and then change the last 3 digit to something like 180 and assign the IP address ending in 180 in this IP address field.
3. **Subnet Mask** – used to input your networks Subnet Mask.

   The SUBNET MASK edit box allows you to manually input your networks SUBNET MASK that the IP camera will be using when accessed through your network. The subnet mask should be obtained from your ISP or copy from one of your local area network computer. To obtain the subnet mask go to the computer that is on your local area network. Go to the command prompt; Start>All Program>Accessories>Command Prompt, type in "ipconfig" and look for the subnet

mask. Copy the exact subnet mask and assign it to the subnet mask field. The default subnet mask for the IP camera is 255.255.255.0

4. Gateway – lets you manually input the networks default gateway.

The GATEWAY edit box allows you to manually input the GATEWAY address that the IP camera will be using to access the network. To obtain the gateway go to the computer that is on your local area network. Go to the command prompt; Start>All Program>Accessories>Command Prompt, type in “ipconfig” and look for the gateway numbers. Copy the exact default gateway and assign it to the gateway field. The default gateway is 192.168.1.1 for IP camera.

5. Primary DNS – used to input your networks primary DNS address.

The PRIMARY/SECONDARY DNS edit box allows you to manually input the DNS of your local area network address that the camera will be using. Most ISP setup the DNS server to automatically detect, please check with your internet provider to find out what DNS address you should be using for your local area network as recommended. If unsure please leave the primary/secondary DNS blank or input this public DNS: Primary DNS: 192.168.1.1, Secondary DNS: 8.8.8.8 (Default).

6. Secondary DNS – used to input your networks secondary DNS address

7. Media Port – lets you specify which port to use for the IP camera.

8. Remote Access Full Bandwidth – enables/disables full bandwidth dedication.

9. Remote Access Priority – used to select your connection preference priority (quality, fluency, etc)

10. DHCP Enable – allows the IP camera to automatically acquire an IP address from the router

The DHCP check box enables/disables the “Dynamic Host Configuration Protocol” which is a protocol used by a network server to dynamically assign IP addresses to networked devices. We recommend that you assigned a local area network IP address to the IP camera over DHCP enabled. The system default is set to unchecked.

11. HTTP Port – lets you specify the web http port to be used.

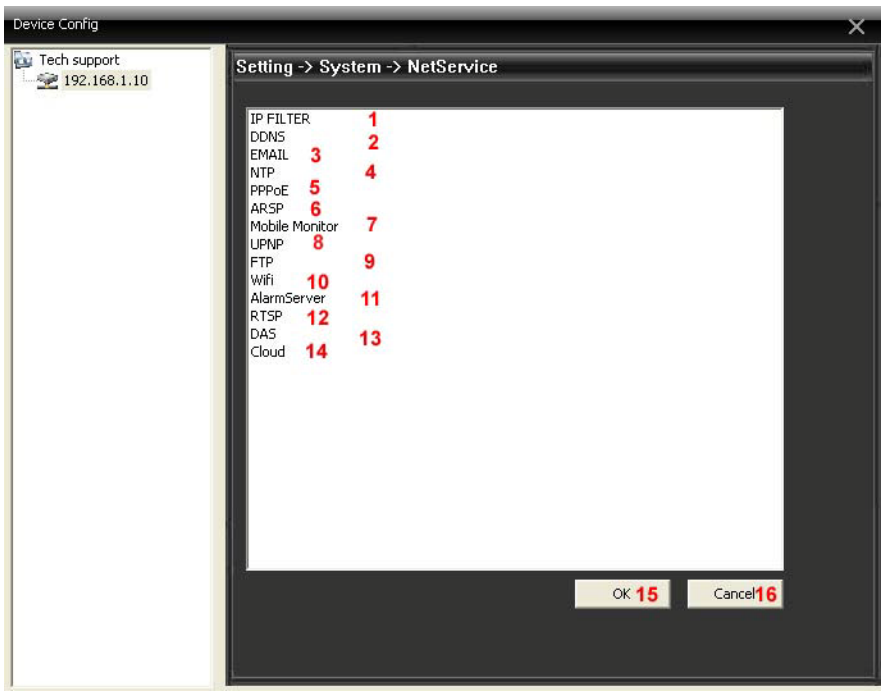
The HTTP PORT edit box lets you specify the port number that you have selected your router to use for the IP camera to be accessible over the internet. The HTTP default port is 80. Please change to other port such as 89 if you are having difficulty to access the IP camera using the internet browser, ie. IP address: 89.

12. Refresh – restores any changes made.

13. OK – saves the changes.

14. Cancel – exits the menu without saving the changes.

NET SERVICE



1. IP Filter - used to block/allow specific IP addresses from accessing the camera.

2. DDNS - used to set up your DDNS account information for remote access.

The **DDNS** (Dynamic DNS) service consist of settings that must be configured if you wish to use a registered DNS

connection to remotely access/view you're DVR from a remote location over the internet. Double click on this option to bring up its corresponding configuration window as shown below. To accomplish the DDNS type, Domain name, User Name, and Password, you must register at the free DDNS website such as www.dyndns.com , and www.no-ip.com. Then select the website you registered under DDNS Type, input the dome name (website domain name), registered user's name, and registered password. Click OK to confirm set up or click CANCEL to cancel.

3. **Email** - used to enable/disable email alert notifications

The **EMAIL** service allows you to enable (checked) or disable (default, unchecked) email alert notifications. Double click on this option to bring up its corresponding configuration window as shown below. When an event occurs, the system will send you alert email with attached snapshot of the IP camera's images. To set up an email alert feature; check the Enable box, put in your email SMTP server (ie. smtp.1and1.com), mail server port number (ie. 465, 25), check or uncheck if the mail server requires SSL security, input your mail user name account, input your mail password account, fill in the sender and recipient email account, and give it a familiar title name or subject (where this email is coming from). Click OK to confirm set up or click CANCEL to cancel

NOTE: Please check with your email provider for proper smtp server, port, user name and password of your email account informations.

4. **NTP** - used to enable network time protocol, to update and synchronize the date/time.

The **NTP** option allows configuration to update and automatically synchronize the date and time using network time protocol in your local area networking. To set up NTP, place a check mark to enable, input the server IP name/IP, the server port number, initial time zone, and how periodically you want NTP to update the date/time in minute. Click OK to confirm set up or click CANCEL to cancel.

5. **PPPoE** -lets you use a PPPoE (Point-to-Point Protocol over Ethernet) to remotely access/view you're DVR from a remote location over the internet..
6. **ARSP** - Not applicable for IP camera at the moments.
7. **Mobile Monitor** - used to enable/disable mobile phones monitoring service.

The **MOBILE MONITOR** service allows you to enable (default, checked) or disable (unchecked) mobile monitoring and also specify the port number that you wish to use. Double click on this option to bring up its corresponding configuration window as shown below. Place a check mark in the box to enable mobile monitoring and then input the port number; the default port is 34599 for mobile monitoring service, recommended. Mobile monitoring has to be enabled for any SmartPhone such as iPhone, iTouch, iPad, blackberry, windows mobile, and android to remote access using the free App provided.

8. **UPNP** - used to enable universal plug and play for Point-to-Point remote access.

The **UPNP** is used to enable universal plug and play for Point-to-Point remote access. Enabling the UPNP will automatic detect the HTTP port (80), Media port detection (34567) and mobile port detection (34599). These features must also be enabling on your local router to take affect for our Point-to-Point remote access service to work without having to open ports from your router. Click OK to confirm set up or click CANCEL to cancel.

9. **FTP** - used to enable and setup video/picture streaming to your FTP.

The **FTP** service allows you to enable (checked) or disable (unchecked) the FTP file transfer services. Double click on this option to bring up its corresponding configuration window as shown below. When an event occurs, the system will stream video to record to your FTP server (picture, video or both). To set up video recording steam to your FTP, check the Enable box, input your server address (ie. ftp.chinaxxxx.com), give it a port number (ie. 21), enter your FTP user account name, and your FTP account password or check Anonymous for public folder streaming. Enter the file size or file length in megabytes (default is 128MB) and provide a directory name starting with a " / " (forward slash). Click OK to confirm set up or click CANCEL to cancel.

NOTE: The directory Name (path) for FTP cannot be blank and it has to start with a forward slash " / "to start the recording directory.

10. **Wi-Fi -** lets you configure your camera so that it can be connecter to your network via WiFi (wireless/no Ethernet cable).The default wifi ip address is 192.168.1.11. Please change the WiFi IP address to match your local area network and be sure to input in the correct access point encryption password.

When WIFI is selected, click on the Search button to start searching for the wifi access point(s) SSID in your network, Click to highlight or select the known access point and then check Enable box. Next input the wifi encryption password

or passphrase and double check to make sure the IP address, subnet mask and gateway are those of your local are network settings. Click OK to confirm and exit out from the wifi set up window or CANCEL to cancel wifi set up.

NOTE: You will be prompted to select a wifi network along with the wifi's password when selected

11. AlarmSever - Not applicable for IP camera at the moments.

12. Real Time Streaming Protocol - used to enable live video streaming to real time players.

The **REAL TIME STEAMING PROTOCOL** enables the video footages to be able to live stream to any real time software player. Player such as real time player, VLC player, and etc can be used to live steam and monitor the IP camera after this service is set up. Make sure that "RTP over RTSP (TCP)" is selected under preferences/options>Inputs/Codecs sections of the players before streaming. Click on the box to enable real time streaming protocol and then input the port number, the default port is 554. Click OK to confirm set up or click CANCEL to cancel.

For example: open VLC in this example and choose Media>Open Network Steam...>.

In the Network Steam window, input "rtsp://192.168.248.91:34569/user=admin &password=&channel=1&stream=0.sdp?

* rtsp:// [starting command used in VLC player]
* 192.168.248.91 [IP address assigned to the IP camera]
* :34569 [port number designated for real time player streaming. Notice the " : " before the port number.]
* user=admin ["user=" is the command used in VLC and "admin" is the default user name for the IP camera.]
* password= ["password=" is the command used in VLC and " " (blank) password is the default admin password for the IP camera.]
* channel=1 ["channel=" is the command used in VLC and the "1" is channel or camera of the IP camera.]
* stream=0.sdp? ["stream=" is the command used in VLC and the "0" is main stream connection, and ".sdp?" is the command used in VLC player. To connect using extra stream input value "1" instead of "0"]

NOTE: Please noticed that the "&" symbol is required in between all commands instructed above. Command may varies depending on the type of real players type and version.

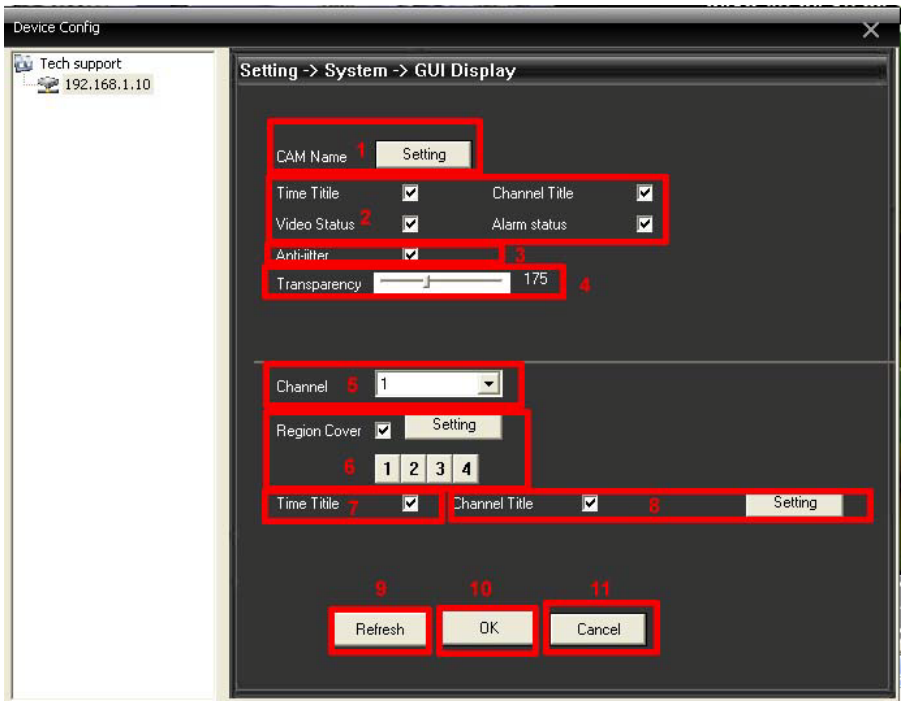
13. DAS - Not applicable for IP camera at the moments.

14. Cloud - used to enable/disable Serial ID service for easy remote access. When cloud service is checked for enable, you can setup remote access using the Serial ID of the IP camera which can be found in the CMS software under Remote Config\Info\ Version. go to Device manager to add the IP camera and select "Cloud". Next, input the Serial ID of the IP camera. Click OK to complete the remote access over serial ID setup.

15. OK - saves the changes.

16. Cancel - exits the menu without saving the changes

GUI DISPLAY



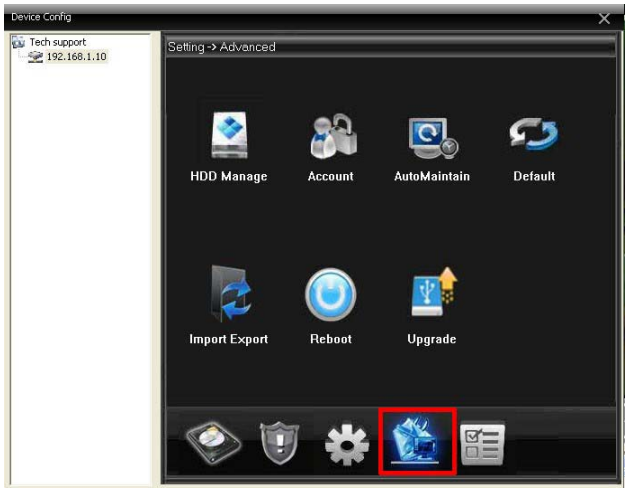
1. CAM Name - allows you to rename the camera name.

2. Time Title/Channel Title/Video Status/Alarm Status- Not applicable for all IP camera models.
3. Anti-jitter - allow the camera lens to have stability when it is moving.
4. Transparency - Not Applicable with IPcam-SD model.
5. Channel - fixed and default to channel 1.
6. Area Masking - allows you to mask (block) 4 areas in the live view.
7. Time Title - enable or disable the date/time stamp in the image or remove from the on screen display.
8. Channel Title - lets you to adjust channel title on different positions on the screen.
9. Refresh – restores any changes made.
10. OK – saves the changes.
11. Cancel – exits the menu without saving the changes.

PTZ Config(Not applicable for the IP camera models without PTZ function.)

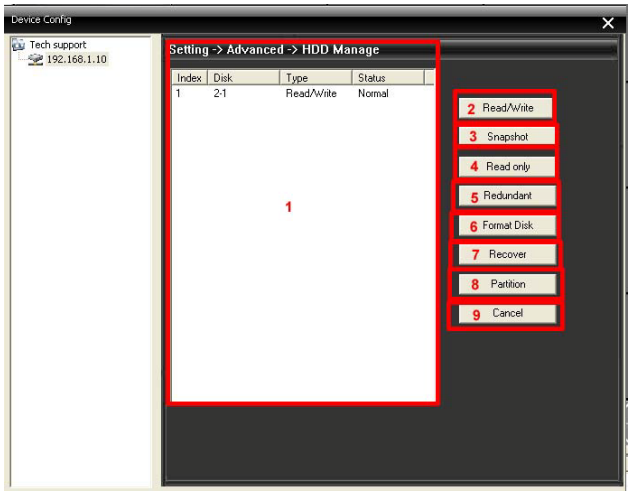
Camera Parameter(It is for engineer's instruction only.)

ADVANCED



1. **HDD Manage** – SD card management.
2. **Account** - IP camera user account configuration.
3. **Auto Maintain** – Auto maintenance configuration.
4. **Default** – Apply manufacturer default settings.
5. **Import Export** – Loads and Saves the current configuration.
6. **Reboot** – Used to re-boot the IP camera.
7. **Upgrade** – IP camera firmware upgrade.

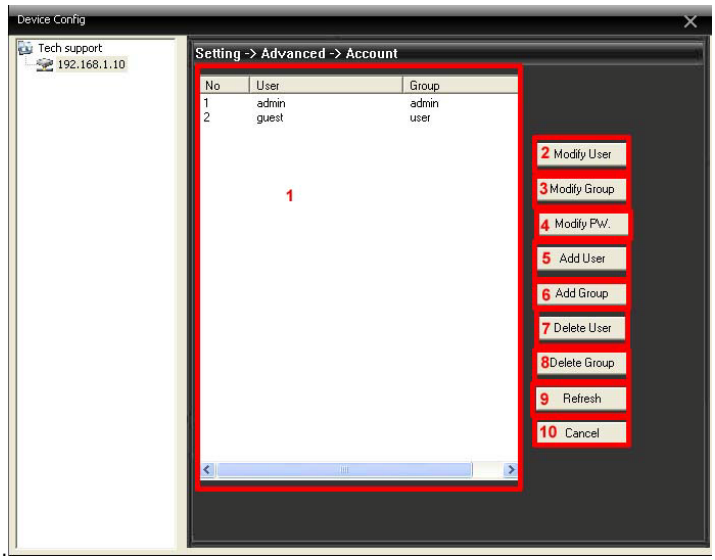
HDD MANAGE



1. **Display window** – displays all the portions located on the SD card.

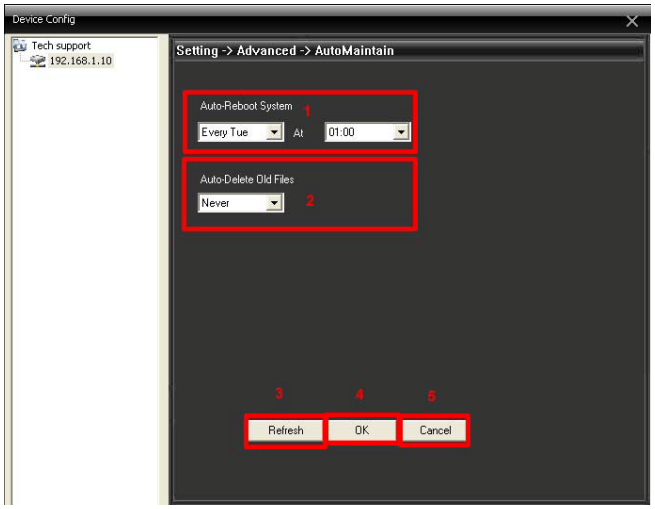
2. **Read/Write** – turns the selected partition into a Read/Write partition.
3. **Snapshot** – turns the selected partition into a Snapshot partition.
4. **Read only** – turns the selected partition into Read only.
5. **Redundant** – not applicable for all IP camera models.
6. **Format Disk** – formats the SD card or partitions.
7. **Recovery**– makes Micro SD card to be recovered.
8. **Partition** – creates a new partition.
   Partitioning the SD card require some times, please wait for the system hour glass to stop before proceeding. After partition is complete, the IP camera is required to reboot for the partitions to take effect.
9. **Cancel** – exits the menu without saving the changes.

ACCOUNT



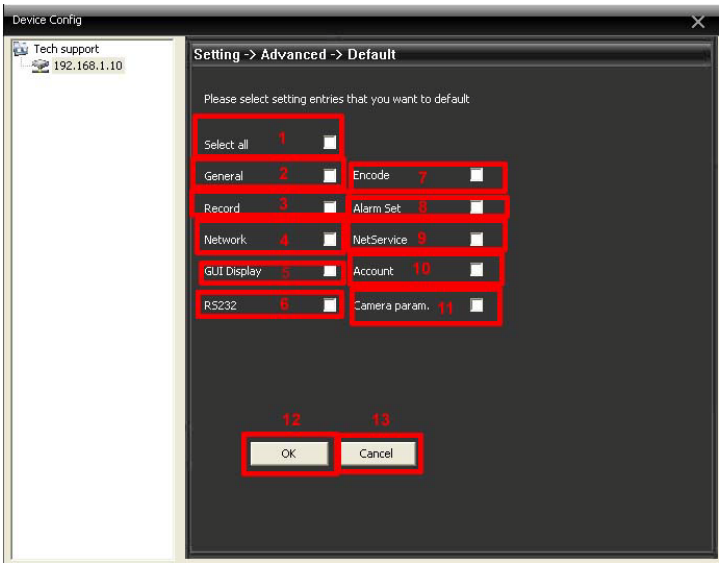
1. **Display window** – displays all active user accounts.
   The “admin” and “guest” accounts are pre-generated by the system.
2. **Modify User** – used to modify the selected users rights.
   The **MODIFY USER** option is used to modify previously created users. Once selected, a “Modify User” pop up screen will be displayed which will allow you to modify the users rights and group. To authorized certain users rights simply place a check mark on the number associated with the authority. Uncheck the number next to the authority to disable the rights for that particular user.
3. **Modify Group** – used to modify group rights..
4. **Modify PW** – used to modify the selected users password.
   Changing the password here in the modify pw section will not automatically changes the password in the device list under the Device Manager section. You will need to also go to device manager to change the password accordingly.
5. **Add User** – used to add users to the IP camera user account list.
   You can apply individual rights to each user once the user’s group has been selected
6. **Add Group** – used to create new user groups.
7. **Delete User** – used to remove users from the IP camera’s user list.
   The “Administration” group is created by default and cannot be deleted nor modified.
8. **Delete Group** – used to remove user groups.
9. **Refresh** – restores any changes made.
10. **Cancel** – exits the menu without saving the changes.

AUTOMAINTAIN



1. **Auto-Reboot System**– restarts the camera at the set date.
2. **Auto-Delete Old Files (SD)** – deletes old files.
3. **Refresh** – restores any changes made.
4. **OK** – saves the changes.
5. **Cancel** – exits the menu without saving the changes

DEFAULT



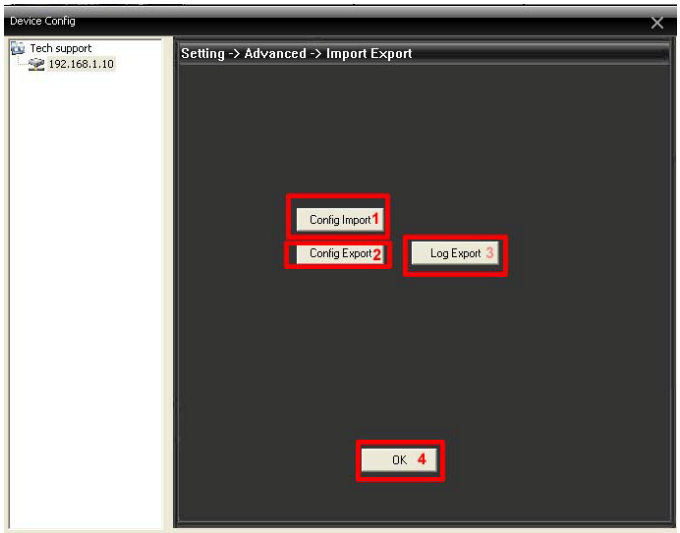
1. **Select all** – Select all options and then click on the OK button to reset the system settings to the manufacturer default settings.

2 **General** – Place a check mark on “General” and click on OK button to restore all general settings back to the manufacturer default settings.

3. **Record** - Place a check mark on “Record” and click on OK button to restore all video settings back to the manufacturer default settings.
4. **Network** – Place a check mark on “Network” and click on OK button to restore all network settings back to the manufacturer default settings.
5. **GUI Display** - Place a check mark on “GUI Display” and click on OK button to restore all GUI Display settings back to the manufacturer default settings.
6. **RS232** – Place a check mark on “RS232” and click on OK button to restore all RS232 settings back to the manufacturer default settings.
7. **Encode** – Place a check mark on “Encode” and click on OK button to restore all encode settings back to the manufacturer default settings.
8. **Alarm Set** – Place a check mark on “Alarm Set” and click on OK button to restore all alarm set settings back to the manufacturer default settings.

9. **Net Service** – Place a check mark on “Net Service” and click on OK button to restore all net service settings back to the manufacturer default settings.
10. **Account** - Place a check mark on “IPCam/CMS Account” and click on OK button to restore all IPcam-SD account settings back to the manufacturer default settings.
11. **Camera Parameter** – Place a check mark on “Camera Parameter” and click on OK button to restore all camera parameter settings back to the manufacturer default settings.
12. **OK** – saves the changes.
13**. Cancel** – exits the menu without saving the changes.

IMPORT/EXPORT



1. Config Import- imports saved device configuration/settings.
2. Config Export-exports the current device configuration/settings.
3. Log Export-exports the current device logs.
4. OK- to exit Import/Export.

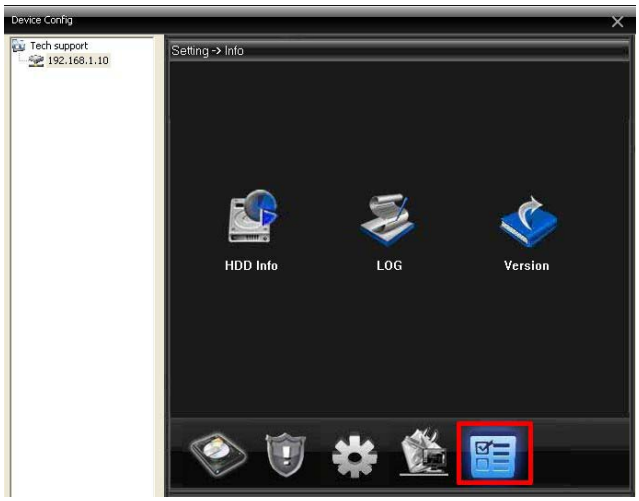
REBOOT

Rebooting is not required; however, if the IP camera becomes erratic or not responsive, please use this option to reboot the camera

UPGRADE

Upgrades should only be performed if you are told to do so by factory.

INFO



1. **HDD Info** – Displays memory card information.
2. **LOG** – Displays system and event logs.

3. **Version** – Displays detailed device information.

HDD Info

• **Index:** displays the numbers of partitions on the SD card.

• **Event:** Provide partitions information, weather the partitions are Read/ write or Snapshot.

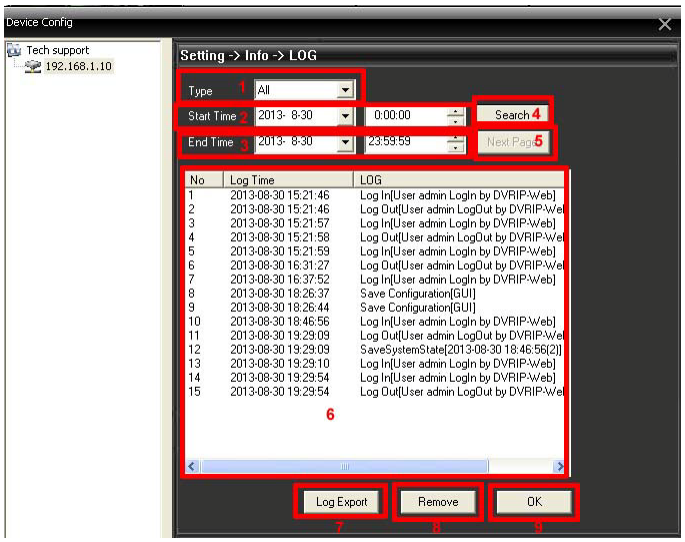
• **Capacity:** Displays the partition size and the overall SD card capacity.

• **Left Capacity:** Displays the number of free space available for recording per partition.

• **Status:** Displays the abnormality of each partition

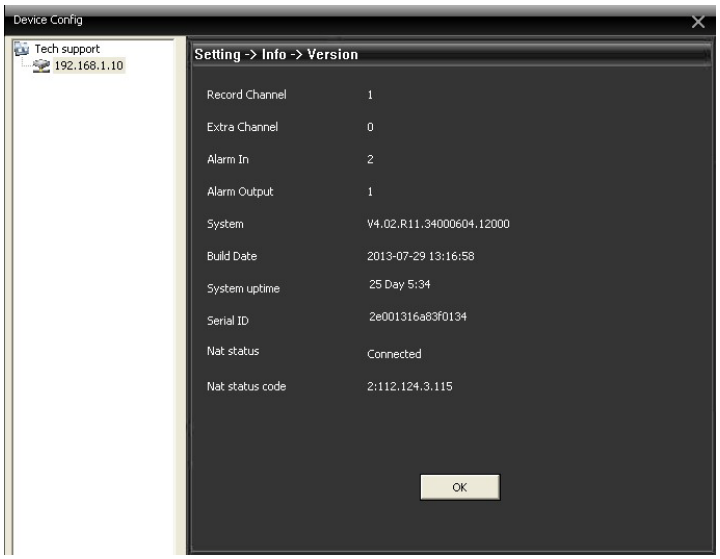
There is a “View Recording Times” button located at the bottom of the SD Card Info window that will allow you to view the recording start time and the recording end time that exists in the SD card for different partitions.

LOG



1. **Type** (drop down) – allows you to choose the event type to look in.
2. **Start Time** – used to specify a specific start date/time to search between.
3. **End Time** – used to specify a specific end date/time to search between.
4. **Search** – initiates the log search.
5. **Next Page** – displays the next page of log events.
6. **Detail Screen** – displays the event log.
7. **Log Export** – used to save (extract) the search results.
8. **Remove** – Completely erases the log file.
9. **OK** – Exits back to the Info menu screen.

VERSION

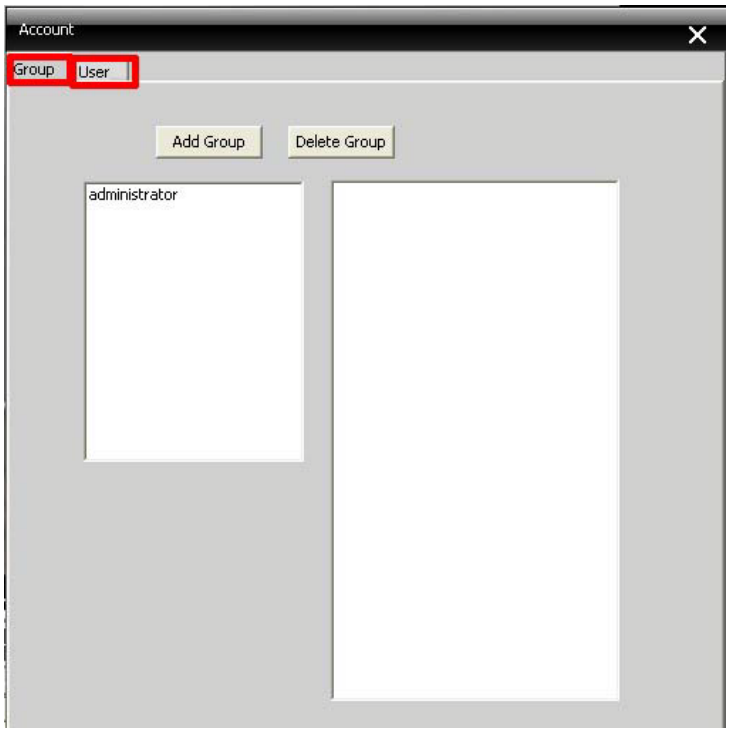


• **Record Channel** – Number of recordable channels available.

• **Extra Channel** – Number of extra channels available.
• **Alarm In** – Number of alarm inputs available.
• **Alarm Output** – Number of alarm outputs available.
• **System** – Firmware version.
• **Build Date** –Firmware build date.
• **Serial ID** – IP camera serial number.
• **Net Status** – Network connection status.
• **Net Status Code** – Network code.

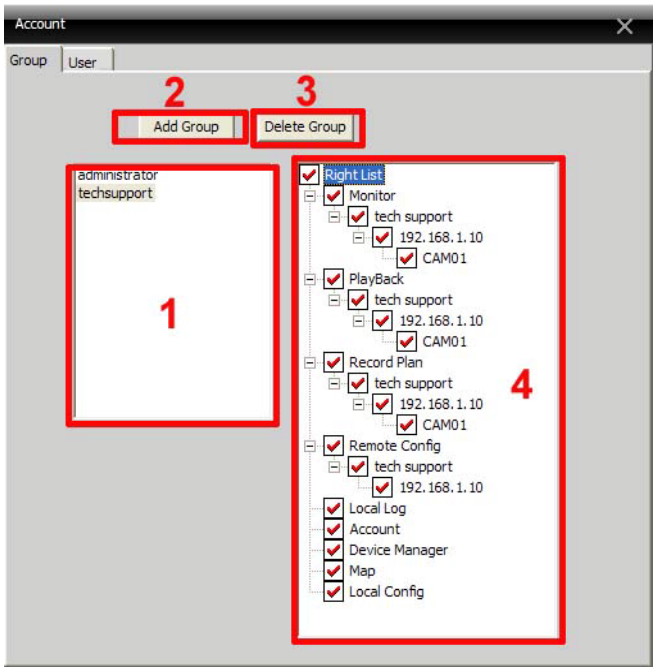
ACCOUNT

The Account settings only pertain to users who are able to access and use the CMS software only “not IP camera users”.



1. Group – Used to create user rights groups that can be applied to newly created users.
2. User – Used to create CMS user accounts.

GROUP



1. Group List – displays all the groups available.

2. Add Group – used to create a new group.

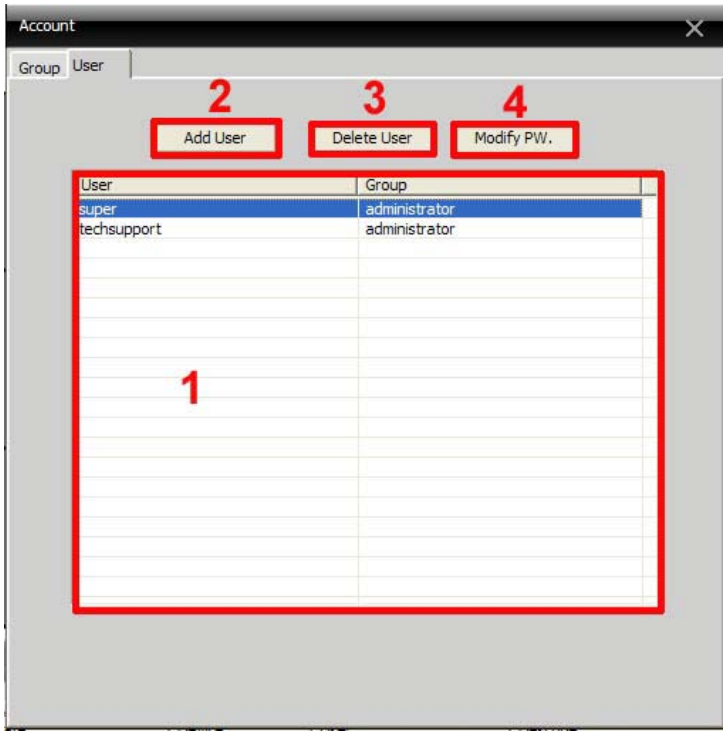
3. Delete Group – deletes the selected group.

The “Administration” group is created by default and cannot be deleted nor modified.

4. Group Rights list – group privileging

You can enable a specific right/privilege to all cameras that are connected to the CMS by checking the box located to the left of the rights label (Monitor, Playback etc) or you can apply the right to specific cameras by clicking on the “+” symbol to expand the tree as shown for the Monitor right in the image above.

USER



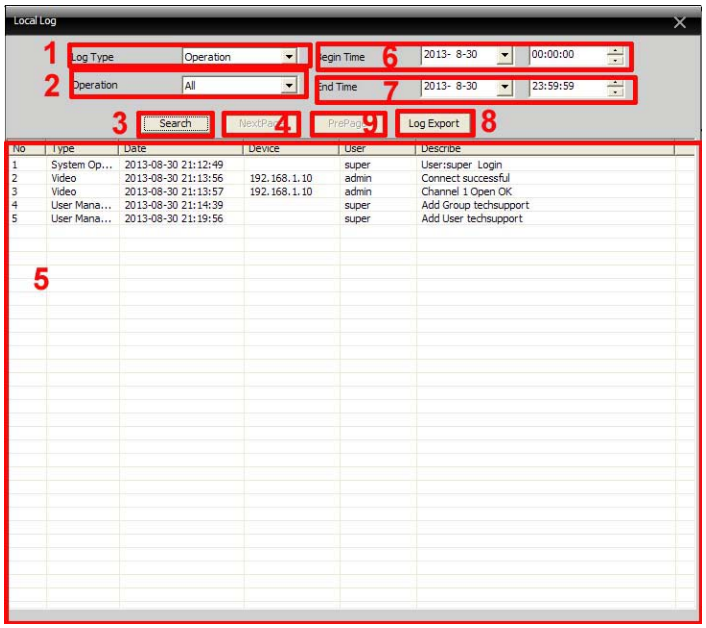
1. User Account Window – displays all CMS users.

2. Add User – used to create a new user.

3. Delete User – delete the selected user.

4. Modify User – used to modify a user password.

LOCAL LOG



1. Log Type (drop down) – allows you to choose the event type to look in.

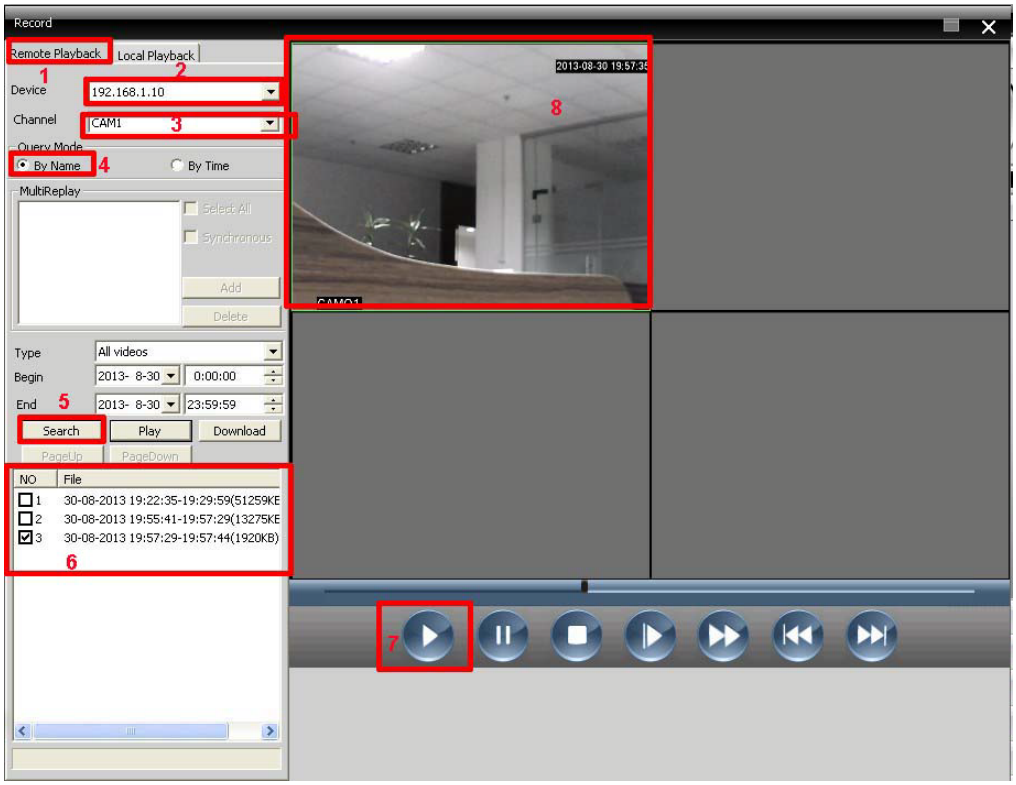
2. Operation/Alarm (drop down) – allows you to select a specific event type to look for.

3. Search – initiates the log search.
4. Next Page – displays the next page of log events.
5. Detail Screen – displays the event log.
6. Begin Time – used to specify a specific start date/time to search between.
7. End Time – used to specify a specific end date/time to search between.
8. Log Export – used to save (extract) the search results.
9. Pre Page – jumps back to the previous log page.

PLAYBACK

Remote Playback Tab

To start playing back recorded video footages/photos from the IP camera, select “Remote Playback”, under “Device” select the desired IP camera profile name, select “By Name” under query mode, select an event type from the drop down contextual menu (All Videos (default), Alarm Record, Detect Record, General Record, Manual Record, All Picture, Alarm Snap, Detect Snap, Snap, or Manual Snap), select a desired “Start” and “End” date/time search, and then click on “Search” button to start search query as 1-8 steps illustrated below



NOTE: To search “By Time” you must select the “Select All” and then click on the “Add” button so that “CAM1” is added into the category under “MultiReplay”.

The playback control panel buttons includes, PLAY/OPEN, PAUSE, STOP, SLOW, FAST FF, PRE FRAME, and NEXT FRAME as shown below. The PLAY/OPEN button is used to initiate playback or open H.264 file under the “PC Playback” tab. The PAUSE and STOP buttons are used to pause and stop the footages during playback. The SLOW button ranges from SLOW1, SLOW2, SLOW3, and SLOW4. The SLOW button allows you to playback the footages 2-sec, 4-sec, 6-sec, and 12-sec slower respectively than the normal playback speed.

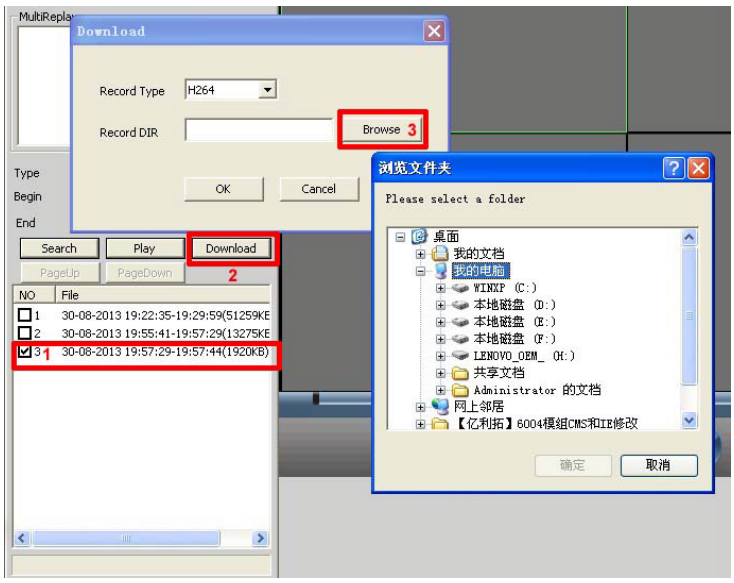
The FAST forward button allows you to fast forward the playback footages 1/2-sec, 2-sec, 4-sec, and 6-sec faster than the normal playback speed. While the PREV FRAME and NEXT FRAME will playback one frame per click (frame-by-frame).

NOTE: Please note that the OPEN and PRE FRAME are only used under the “PC Playback” tab only.

To download a file from the search query (Micro SD card), simply check the file and then click on “Download” button. Then

browse for a location in your computer to download and backup the file to and click OK button to confirm file download as illustrated below.

NOTE: The file will be downloaded in a H.264 file format.



Local Playback Tab

To start playing back recorded files on local PC or from backup files, please select the PC playback tab. Next click on “PLAY/OPEN” button as shown below. Then browse for the recorded or backed up H.264 file(s), highlight the file and then click on the “Open” button to playback.

Advance (not applicable for all IP camera models at the moments.)

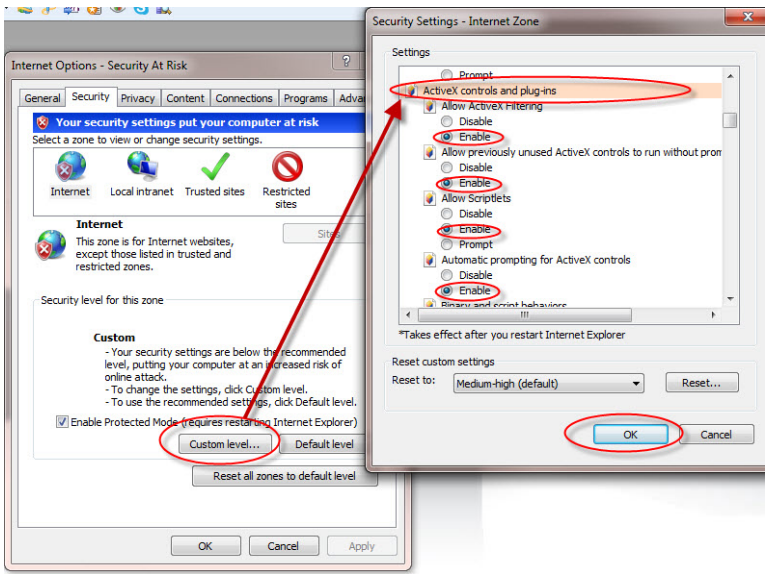
LOGOUT

Selecting the **LOGOUT** option from the menu area of the CMS interface will lock the CMS forcing the next user who wishes to use the CMS to login using their own name and password credentials. This is a time saving feature that allows you to secure your IP camera from unwanted users without having to shut down and restart the CMS.

Special notices:

IE setting for remote access:

Open the IE Browser, then go into the “Tool” and then click on the “Internet Options”. Next, click on the “Custom Level” and browse down to “ActiveX controls and plug-ins” to “Enable” everything under the ActiveX controls, then click “OK” to confirm settings as shown below.



Other browser to remote access:

Users can also use Firefox, Chrome, Safari to remote access; however, a QuickTime plug-in is required. QuickTime can be downloaded at http://www.apple.com/quicktime/download/