



IP CCTV Solution nTransCorder User Manual

©Copyright VisionSoft Inc. 1992-2019

©Copyright Telexper International Inc. 1992-2019

Copyright Notice

Information in this document is subject to change without notice. Telexper International Inc. may make improvements or changes in this manual and CMS Software if necessary. The software, which includes the information contained described in this document is furnished under a license agreement and may be used or copied only in accordance with the terms of the agreement. It is against the law of copyright to duplicate the software except as specifically allowed in the license agreement. No part of this manual may be reproduced or transmitted in any form or by any means, including photocopy or duplicate, for any purpose without prior written permission by Telexper International Inc.



This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received including interference that may cause undesired operation.

Safety Instructions

Warnings & Cautions

Please read the following safety warnings and keep this manual in a place which you can read whenever you need.

1. Keep the Video Servers away from water, wet, hot, flammable area or with heavy moisture
2. Check the existing electric environment if it's applicable (90V~240V AC) before use
3. Avoid to operate it in high temperature environment
4. Please put the Video Server and Hub in a flat stable place to operate
5. Do not disassemble the product arbitrarily.



WARNING

This symbol indicates that personal injury may occur or the product may be damaged when you fail to follow the given instruction



CAUTION

This symbol indicates that property loss may occur or the product may malfunction when you fail to follow the given instruction

Table of Contents

| | |
|--|-----------|
| Chapter 1 Overview | 1 |
| Chapter 2 Hardware Introduction | 2 |
| Commander Station (Central Management Server software built-in) | 2 |
| nHybrid DVR Series | 4 |
| Network IP Cameras..... | 7 |
| Application CD..... | 8 |
| Chapter 3 System Setup | 9 |
| System Setup Flow Chart..... | 9 |
| Setup under Firewall Environment..... | 10 |
| Chapter 4 CMS - General Operations | 11 |
| Getting Started CMS..... | 11 |
| Change the password of the user..... | 12 |
| Minize / Maximize CMS..... | 12 |
| Chapter 5 CMS - Main Menu (Live Mode) | 13 |
| Main Menu Buttons Overview..... | 14 |
| Hot Key..... | 15 |
| Device Directory..... | 16 |
| Sequence..... | 17 |
| Screen Display..... | 18 |
| Shortcut to Device Settings..... | 19 |
| PTZ Control Icon..... | 19 |
| 720P Control Interface..... | 21 |
| 1080P Control Interface..... | 21 |
| Listen..... | 22 |

| | |
|--|-----------|
| Broadcast | 22 |
| Alarm In | 22 |
| Alarm Out | 22 |
| View Log | 23 |
| Exit..... | 23 |
| Chapter 6 CMS – Setup Menu..... | 24 |
| LAN Device..... | 24 |
| Video Server / IP Camera | 26 |
| Device Group..... | 33 |
| Alarm Schedule | 35 |
| Recording Schedule..... | 36 |
| E-Mail..... | 39 |
| User Management | 41 |
| Miscellaneous | 43 |
| Advanced..... | 45 |
| Chapter 7 CMS – Playback Mode | 47 |
| Basic Playback | 48 |
| Time Search Playback..... | 49 |
| Alarm Search | 49 |
| Playback Main Menu Buttons | 50 |
| AVI Export..... | 50 |
| Capture..... | 51 |
| Smart Search..... | 52 |
| Screen Display..... | 53 |
| Chapter 8 RemoteCMS..... | 1 |

Chapter 1 Overview

Introduction

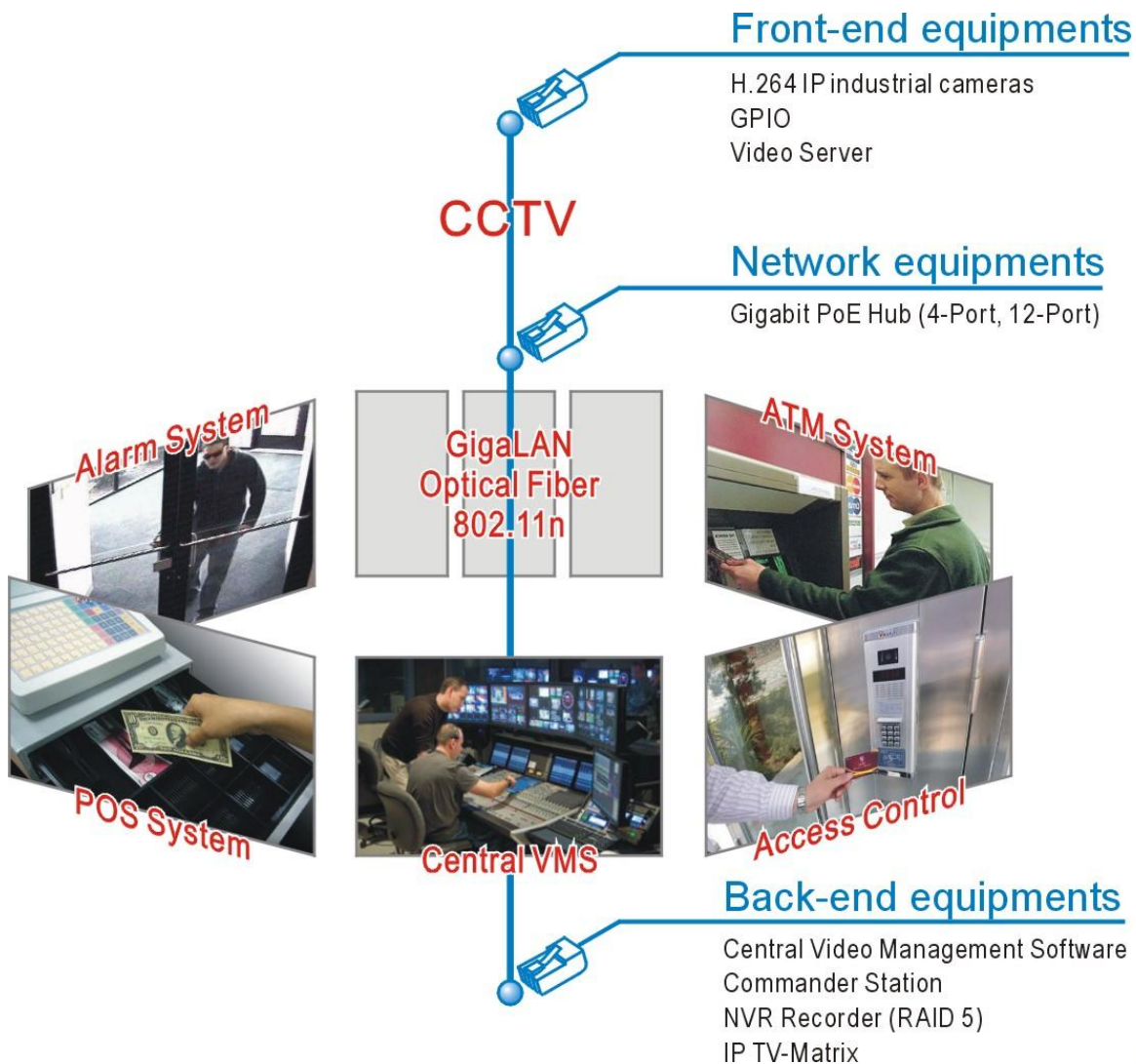
Thank you for using **Telexper IP CCTV Solution!**

Please remember that all of our devices provide you the easiest configuration and fastest installation than other products, and they should be placed under the IP sharing device that we recommend:

Router with at least Gigabit IEEE802.3ab

or **IP Sharing** supports DHCP

We thank you again for using our products!

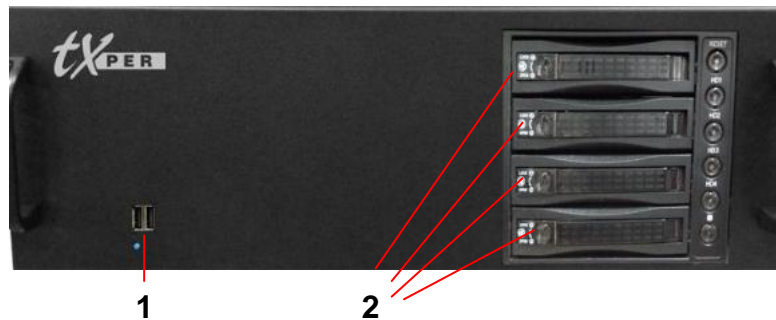


Chapter 2 Hardware Introduction

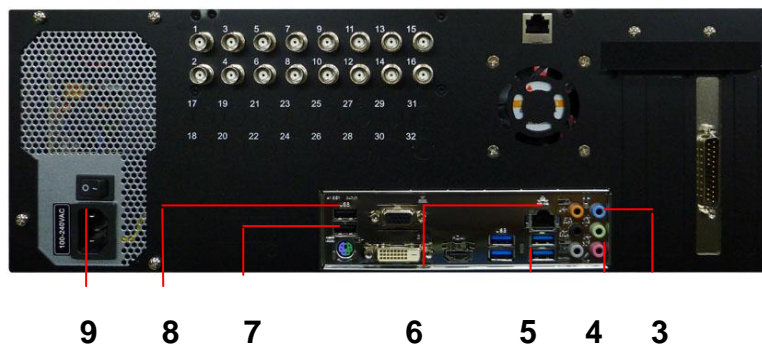
Commander Station (Central Management Server software built-in)

Model: nCS-16 / 32 / 48

- Product Front View



- Product Rear View



| Item | Component | Description |
|------|---------------|---|
| 1 | USB port * 2 | Plug USB devices. |
| 2 | HDD Caddy * 4 | For HDD installation. |
| 3 | Speaker Out | Plug an external speaker into this jack to listen voice. |
| 4 | Mic In | Plug an external microphone into this jack to transmit voice. |
| 5 | USB ports * 4 | Plug USB devices. |
| 6 | Ethernet Jack | Plug 10/100/1000 Ethernet network cable into the jack. |
| 7 | Keyboard | Plug the keyboard. |
| 8 | Mouse | Plug the Mouse. |
| 9 | Power In jack | Plug the power cord into the port. |



Default manufacturer setting is set to **230V**.

If the environment is under the 115V electric power supplied.

Please ensure to use the correct voltage 115V before turning on the nCS.





A member of VisionSoft

Telexper International Inc.

3F.-3, No.2, Jian 8th Rd., Zhonghe Dist.,
New Taipei City 235, Taiwan (R.O.C.)
Tel: 886-2-6620-5898 Fax: 886-2-6620-6909
E-mail: sales@telexper.com
http://www.telexper.com



ISO 9001:2008



To avoid the risk of explosion from using incompatible battery, please use batteries with the same specifications or recommended by your original supplier or manufacturer. Dispose of used batteries according to the instructions.



nHybrid DVR Series

Settings

nHybrid DVR Series provides 8 to 16 BNC connector for 8/16 analogue cameras to directly connect with. The video images will directly encode on the Video Sever inside the nHybrid /DVR Series, the rest of the settings are similar as the normal Network Commander Station, please refer to Chapter 4 / 5 / 6 / 7 / 8.

Model: nHybrid / nBank DVR Series

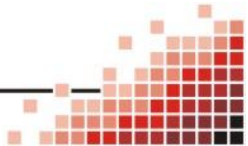
- Product Front View



- Product Rear View



Embedded Platform



Features:

1. Co-existence of multiple analog & full HD 1080P IP cameras
2. Quickly upgrade analog system to digital IP system
3. Embedded Windows 10 OS on Flash DOM
4. Ease-of-use GUI menu
5. H.264 & JPEG dual video compression
6. Central Management Software provides Live-view, Record, Playback, Backup, Client-view, and Remote-view.
7. Live-view display of 1/4/9/10/13/16/25/36/64, Playback display of 1/4/9/10/13/16, Remote-viewer display of 1/4/9/10/13/16
8. Support maximum 48 cameras.
9. Dual- or Triple VGA Monitor Output
10. Automatic switch from bad track of HDD without interrupting recording
11. Intelligent & Dynamic image search
12. E-mail notifications from alarm alerts
13. Supports Static IP and Dynamic IP
14. Supports Android / MAC / iPhoneApp
15. Mirror Backup recording for double protection
16. Integrated Access Control system (base on project)

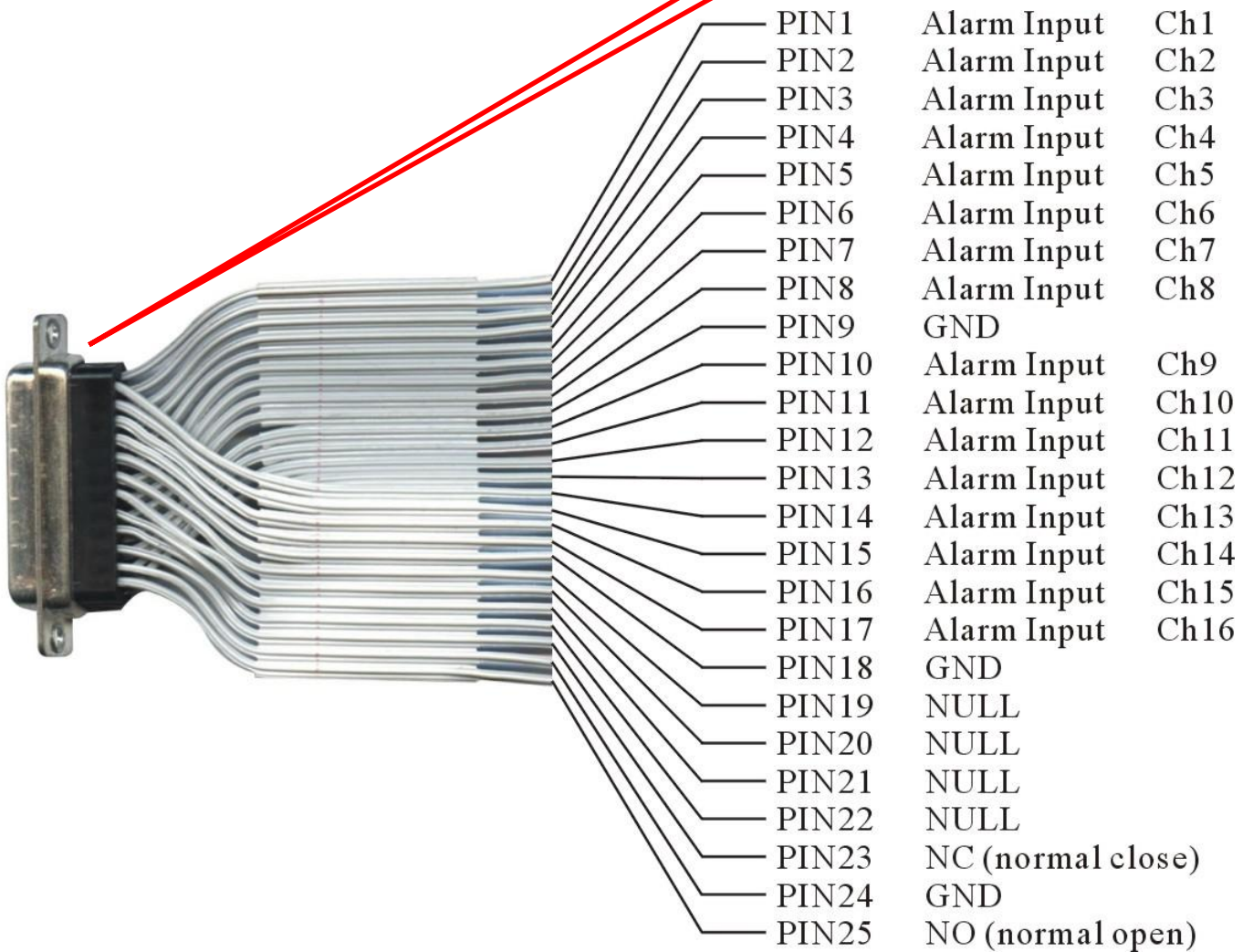
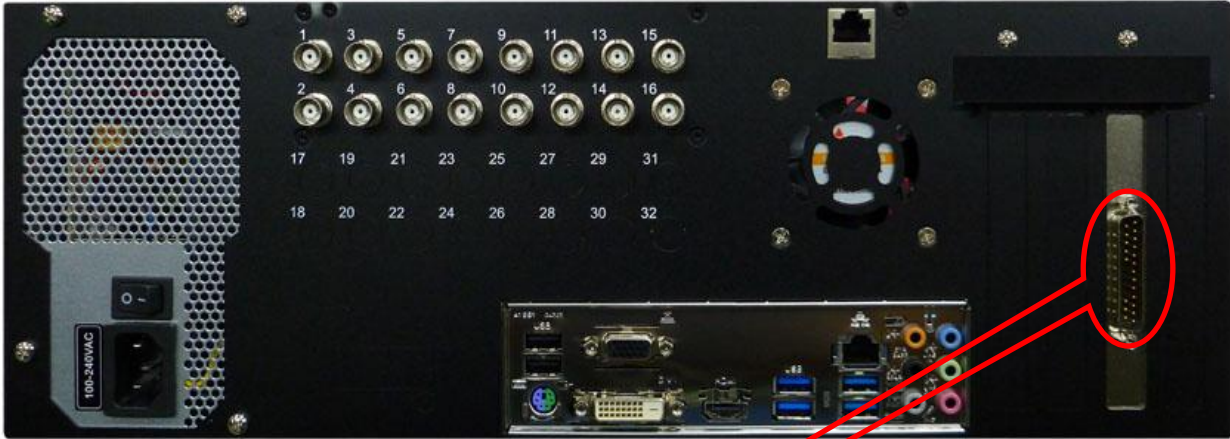


To avoid the risk of explosion from using incompatible battery, please use batteries with the same specifications or recommended by your original supplier or manufacturer. Dispose of used batteries according to the instructions.



Alarm In Cable:

nHybrid DVR Series provide the special cable for multi channels for alarm input function with CMS; please refer to the picture below:



Network IP Cameras

nCam Series: VGA/ 2M/ Full HD 1080P/ High Speed Dome

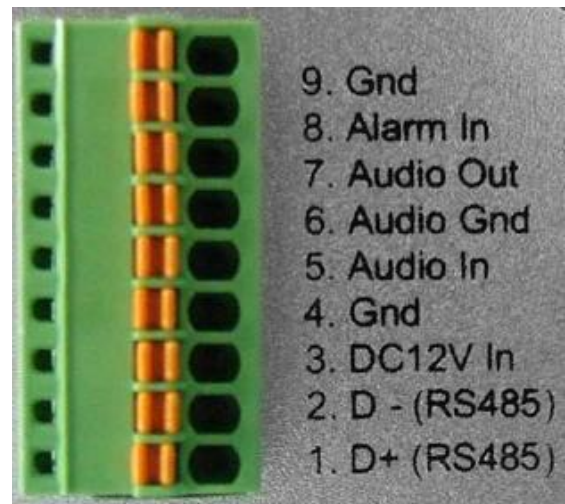
Product Front View



Product Rear View



| | |
|---------------|--------------------------------|
| 9. Gnd | Gnd |
| 8. Alarm In | Alarm In |
| 7. Audio Out | Alarm Out |
| 6. Audio Gnd | Audio Gnd (for audio in & out) |
| 5. Audio In | Audio In |
| 4. GND | GND |
| 3. DC12V In | DC12V In |
| 2. D-(RS485) | RS485 (D-) |
| 1. D+(RS485): | RS485 (D+) |



Notes:

- * nTranscoder HD's gigabit LAN Ethernet port is not PoE supported, so please power the IP cameras with DC12V In. Refer to DC12V In (pin-3) and Gnd (pin-4) from the above illustration.
- * Please use the **CAT-6** LAN cable to connect each Telexper devices.
- * The effective distances between IP devices are 100 meters.



Application CD

Application CD contains:



the nCS again.



Main Menu Page:

- * **Acrobat Reader:** To install Acrobat Reader Software
- * **Manual:** PDF User Manual File
- * **Software:** Go to Software List Page
- * **System Restore Procedure:** Procedures to restore OS.
- * **USB KEY Driver:** Contains the Windows 32-bit and 64-bit.

NOTE: Your CMS is built in nCS already. Thus, it is not recommended to install

Software List Page:

- * **CMS:** Central Management System Actual CMS is varied on the nCS computer.
 - * **IE Surveillance Software:** To install the RemoteCMS software.
 - * **IP address Setup:** To install the IP tool.
 - * **Previous:** Go back to main menu page
- Please note that it is not recommended to install third party software on the nCS (Network Commander Station) as installing

third party software will lower the system's performance and even cause the crash of the CMS system.

Must you install the extra software provided by third party then please keep the following in mind:

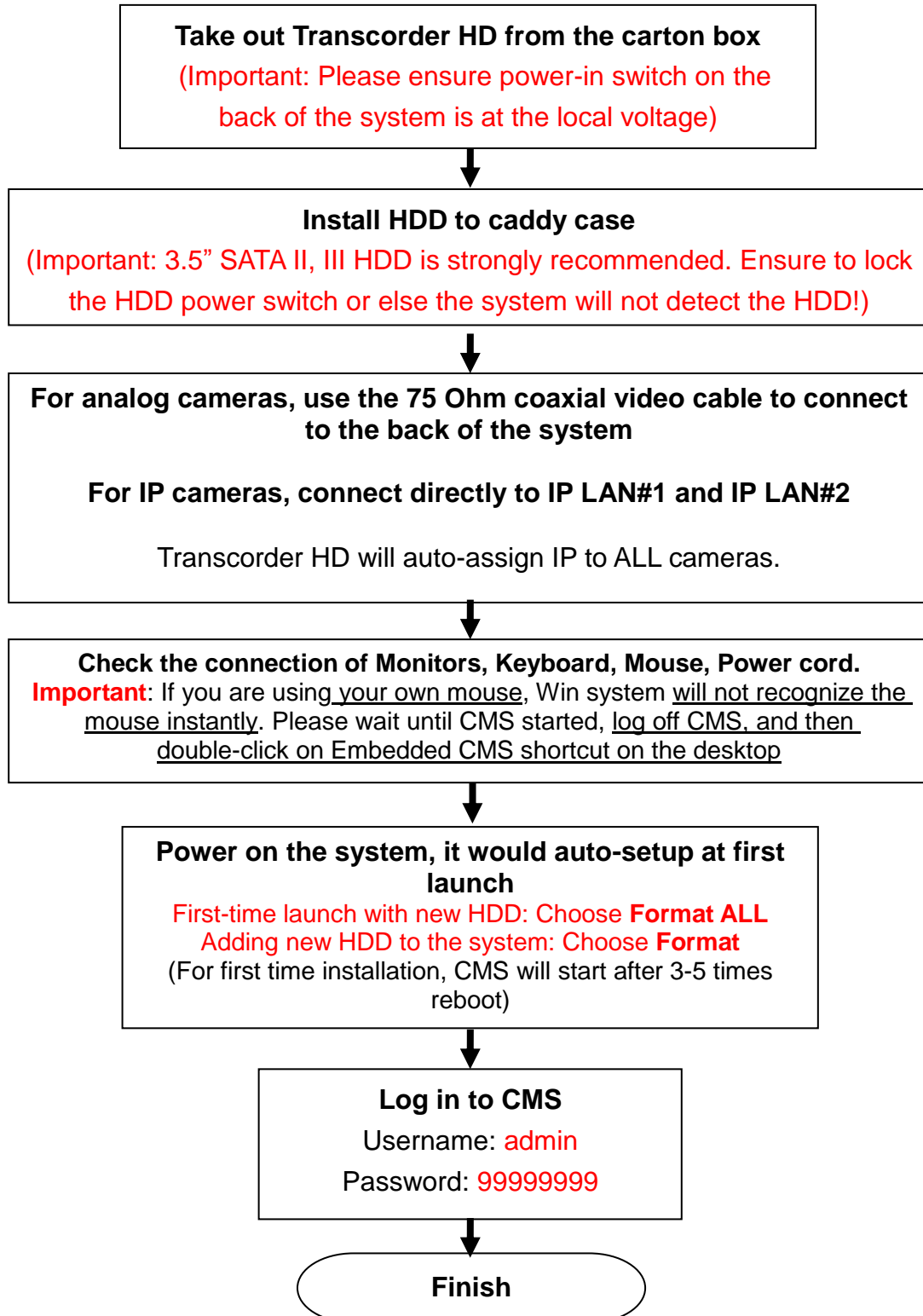


Do not install the software on the system driver. Installing the extra software on the system driver C will cause the system crash. Please insert another HDD and install the software on the HDD.



Chapter 3 System Setup

System Setup Flow Chart



Setup under Firewall Environment

Among the anti-virus products in the market, many have the firewall feature included. If your IP Network devices were installed under the environment with firewall, you will need to manually open ports to allow CMS system to detect ALL the IP devices.

1. Ensure port numbers are opened.

Required port numbers for IP Network System:


| Purposes | Port Number |
|--|-------------|
| Central Commander Station, nHybrid / nBank DVR, nTranscoder HD Series | 6741 |
| IP cameras, video servers, matrix decoders, NVR (network video recorder) | 34000 |
| Remote CMS (Remote playback of WinNVR) | 6742 |
| Web service for CMS | 80 |

2. If you were still **not** able to detect IP devices after opening all ports listed above, please **shut down** your firewall or anti-virus software.
3. If you were able to detect all devices after closing down the anti-virus software or firewall, please **check and adjust** your firewall or anti-virus software settings accordingly.

Chapter 4 CMS - General Operations

Getting Started CMS

Login **CMS (Central Management Server Software)**

Double-click the CMS shortcut icon to begin the software. 
CMS

Then, there will be a window pop-up, key in username and password on it.



The login window contains the following elements:


- User name**: A text input field.
- Password**: A text input field.
- Change Password**: A checkbox.
- Keyboard**: A button to enable the on-screen keyboard.
- OK**: A button to submit the login information.

Default Username: **admin**
Default Password: **99999999**

Press **Keyboard** button, the On-Screen Keyboard will be enable for input.



For the first-time login, CMS will detect automatically and display all cameras on the main screen.

After the first-time login, go to  **Setup**, click **Search** and **Refresh** to detect and update new devices.



Change the password of the user

Check on “**Change Password**”, the dialog window will expand.



The screenshot shows a dialog box with the following fields and controls:

- User name: []
- Password: []
- Change Password (circled in red)
- Keyboard []
- OK []

Key-in the new password, and input again to confirm the new password, then, press “**OK**” to finish the modification.



The screenshot shows the dialog box expanded with the following fields and controls:

- User name: admin
- Password: []
- Change Password
- New Password: []
- Confirm New Password: []
- Keyboard []
- OK (circled in red)

The “Change Password” function is also available in CMS-Setup Menu.

Please help to refer the **Chapter 7 CMS-Setup Menu** → “**User Management**”.

Minize / Maximize CMS

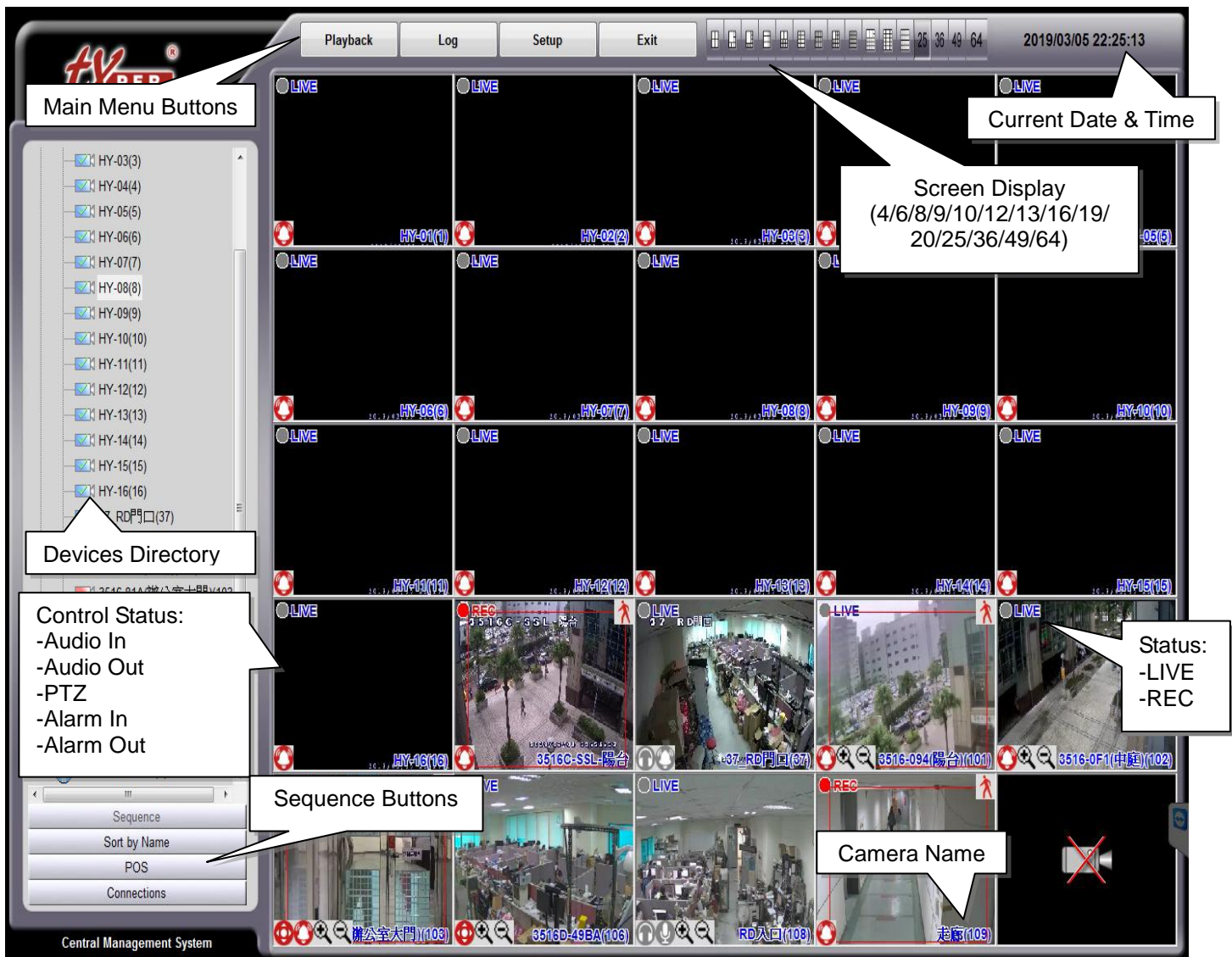
On Windows Taskbar, right-click on CMS program and select **Minimize** to minimize CMS window. Right-click on CMS program again and select **Restore** to maximize CMS. You can only minimize CMS under **Live Mode**, not during Playback.



Chapter 5 CMS - Main Menu (Live Mode)

For the first-time login, CMS will detect automatically and display all cameras on the main screen.

After the first-time login, go to Setup, click Search and Refresh to detect and update new devices.



The screenshot shows the CMS Main Menu in Live Mode. The interface includes a top navigation bar with buttons for Playback, Log, Setup, and Exit, along with a date and time display (2019/03/05 22:25:13). The main area is a grid of camera feeds, each labeled with a camera ID (e.g., HY-01(1), HY-02(2), etc.) and a status indicator (LIVE or REC). A left sidebar contains a Devices Directory listing cameras from HY-03(3) to RD門口(37). Below the directory are Control Status options: Audio In, Audio Out, PTZ, Alarm In, and Alarm Out. At the bottom left, there are Sequence Buttons for Sequence, Sort by Name, POS, and Connections. A bottom right area shows Camera Name labels for specific feeds like 辦公室大門(103), 3516D-49BA(106), RD入口(108), and 走廊(109). A status indicator in the bottom right corner shows LIVE and REC options. A callout box in the top right corner lists screen display options: 4/6/8/9/10/12/13/16/19/20/25/36/49/64.



Main Menu Buttons Overview



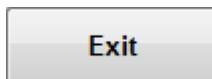
Playback: Switch to playback mode, please refer to Playback Mode chapter.



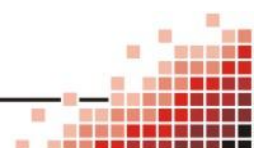
View Log: Open the log of System and Alarm list.



Setup: Switch to the CMS Setup page. Please refer to the **CMS Setup** chapter.



Exit: Log off CMS or exit CMS.



Hot Key

Alt + Enter: Switch the Camera display area to Full-Screen.



Camera Live Window



No Device

A Telexper Logo picture appears on a channel when a camera device has not been installed to this channel or the installed camera cannot be detected by CMS.

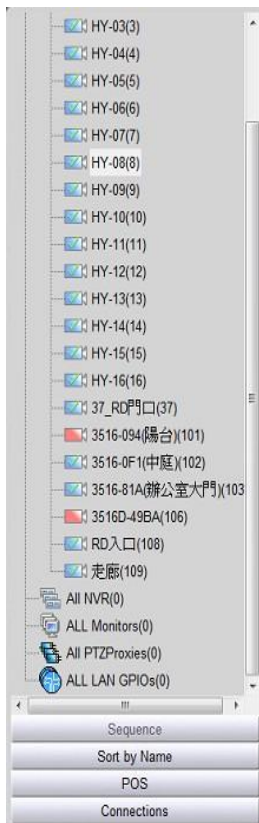


Video Loss

Video Loss picture appears when there is a disconnection between CMS and camera or the camera is broken.



Device Directory



All Cameras: It will show all cameras which are auto-detected by the CMS. Click on the camera icon to view live video display on the right side. Right-Click the mouse button on the camera will allow you to setup the camera.

All NVR: (Does not apply to nTranscorder HD) It will show all the NVR (Network Video Recorder) devices which are auto-detected by the CMS. Right-Click the mouse button on the NVR will allow you to reboot or shutdown the NVR.

All Monitors: It will show all the monitor devices which are auto-detected by the CMS.

Except the directories tree of auto-detected devices, the system allows you to create your own device groups* to manage all the devices on the system. For device group settings, please refer to the [Chapter 6 CMS – Setup Menu](#).

* **All Cameras** does not count as a group. Only the customer defined groups can start up the Monitor (TV Wall) function.

***All Cameras** only shows all the cameras which were auto-detected by CMS system.

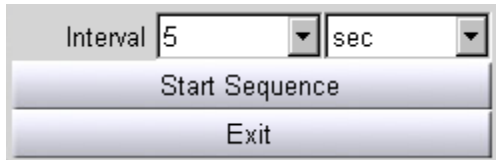


Sequence

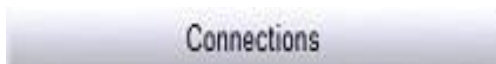


Sequence rotates and plays camera groups in every designed time frame.

1. Click **Sequence**, check boxes of the group you wish to play, and then select the time interval (5-60sec/min/hr).
2. Click **Start Sequence** to start or click **Exit** to cancel.
3. Click **Stop Sequence** to return to normal live view.



Connections



Connections show's who is remotely connecting to the CMS.



Screen Display



Supports the 4/6/8/9/10/12/13/16/19/20/25/36/49/64 display

For Full-Screen Display, please help to click directly on the desired channel to select, and then click again to switch to full-screen. Click again to return to the previous screen display.

Hide Cameras on the Live Screen

Drag and drop one channel to the **Camera Directory** to remove channels from the live screen.

There are two ways to include the channel back to the live screen:

1. Double-click the camera icon on the **Camera Directory**.
2. Drag and drop the icon back to the live screen.

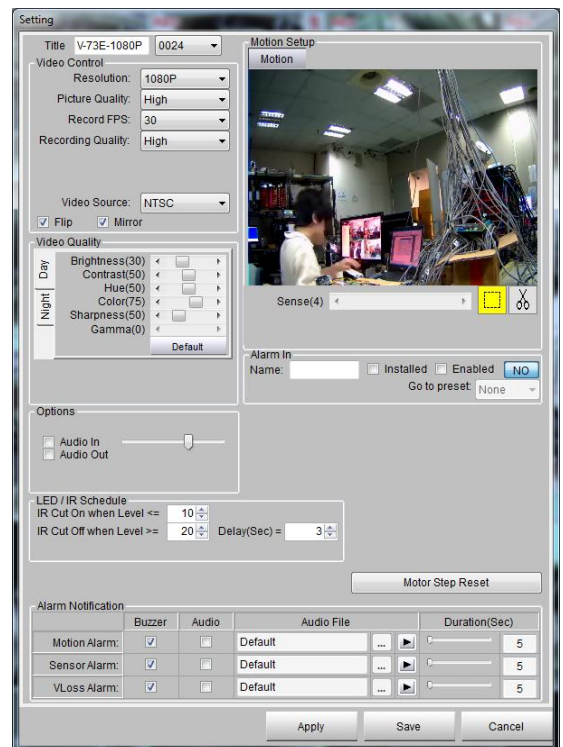
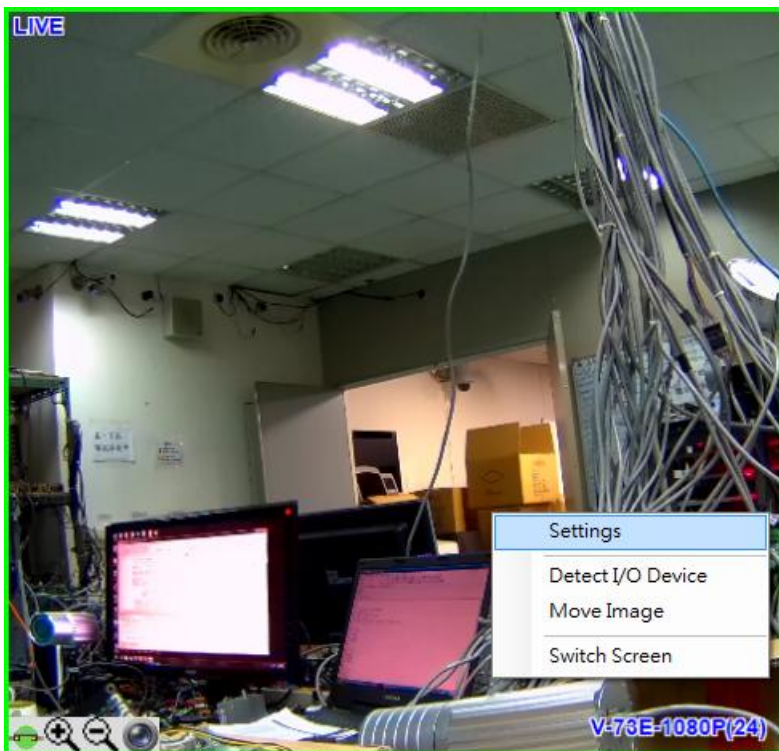
Organize Cameras on the Live Screen

Drag a channel and drop it on the position on the live screen to re-organize the order of the channels.



Shortcut to Device Settings

Moves the mouse to the camera picture, then presses down the mouse right key to choose "Settings", then may enter the camera directly the setting menu; enlarges after the camera picture, presses down the mouse right key to chooses "Move Image", then may adjust the picture's display area horizontally, press down a time mouse right key then to cancel the towing again.



PTZ Control Icon

Under LAN Device setup page  , please ensure the **RS485 Control** box is checked. The PTZ control icon  will then appear in LIVE screen.

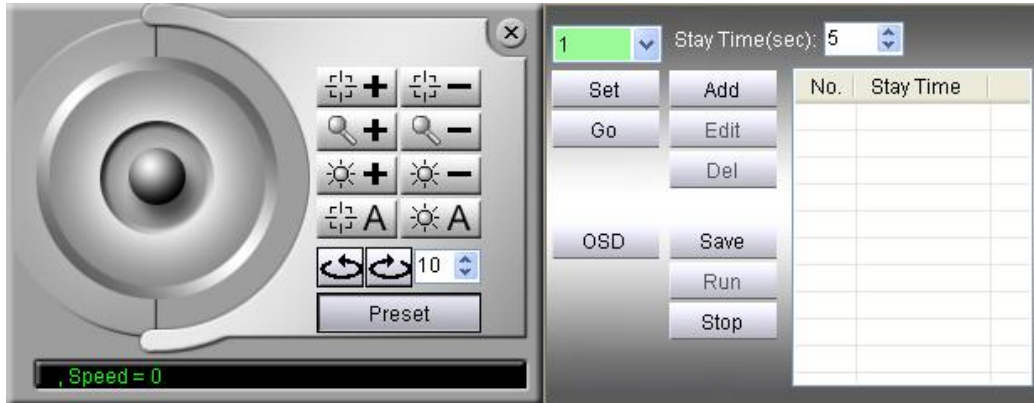



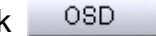
PTZ Protocol: Support Pelco_P, Pelco_D, Bosch, VC, Panasonic, TX1 and Kalate.

Baud rate: 1200, 2400, 4800, 9600, 19200

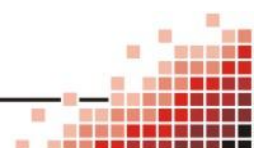




On LIVE mode, click  to extend the window as below:



1. **For PTZ position setup, you may store up to 256 angles:** Position the angle by using the PTZ joystick controller, select Preset # and then click **“Set”** to save the changes. After the first setup, you can adjust the camera to pre-set angle by selecting the Preset # and click **“Go”**.
2. **PTZ OSD Setup:** The majority of the Speed Dome in the current market has OSD preset value at 95. Please select 95 for preset value, click  and then click  to call out OSD window.

Note: If you were not able to call out the OSD window, please refer to the manufacturer’s camera user manual.



3. Using the PTZ joystick on the CMS to operate the OSD window. Click  to enter and click  to close the OSD window.

720P Control Interface



1080P Control Interface



Listen

Click the listen icon on a live channel to enable the **Listen** function. Click again to disable the function. Please make sure the **Audio In** box of this device is checked when you setup this **LAN Device**. (See [Chapter 6 CMS – Setup Menu](#)) for LAN Device setup.

Broadcast

Click the **Broadcast** button to transmit audio to the selected device. Click again to disable the function. Please make sure the **Audio Out** box of this device is checked when you setup this **LAN Device**. (See [Chapter 6 CMS – Setup Menu](#)) for LAN Device setup.

Alarm In

Click Alarm In button for disable this function.

Alarm Out

Click Alarm Out button for TTL signal output.



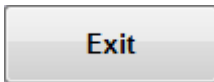
View Log



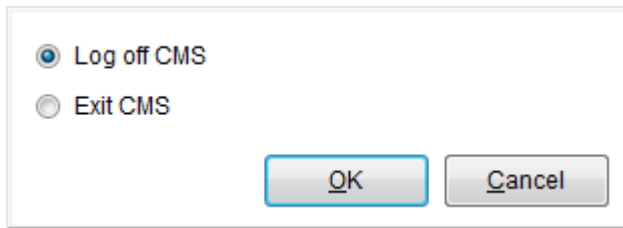
Click on Alarm Log button to open **User Log** or **Alarm Log**.

1. User Log: User Log documents the user access information.
2. Alarm Log: **Alarm Log** allows you to see all events with camera name, alarm type, start and end time.
 - Double-click the alarm log to start the video/audio playback. Click **Cancel** to exit.

Exit

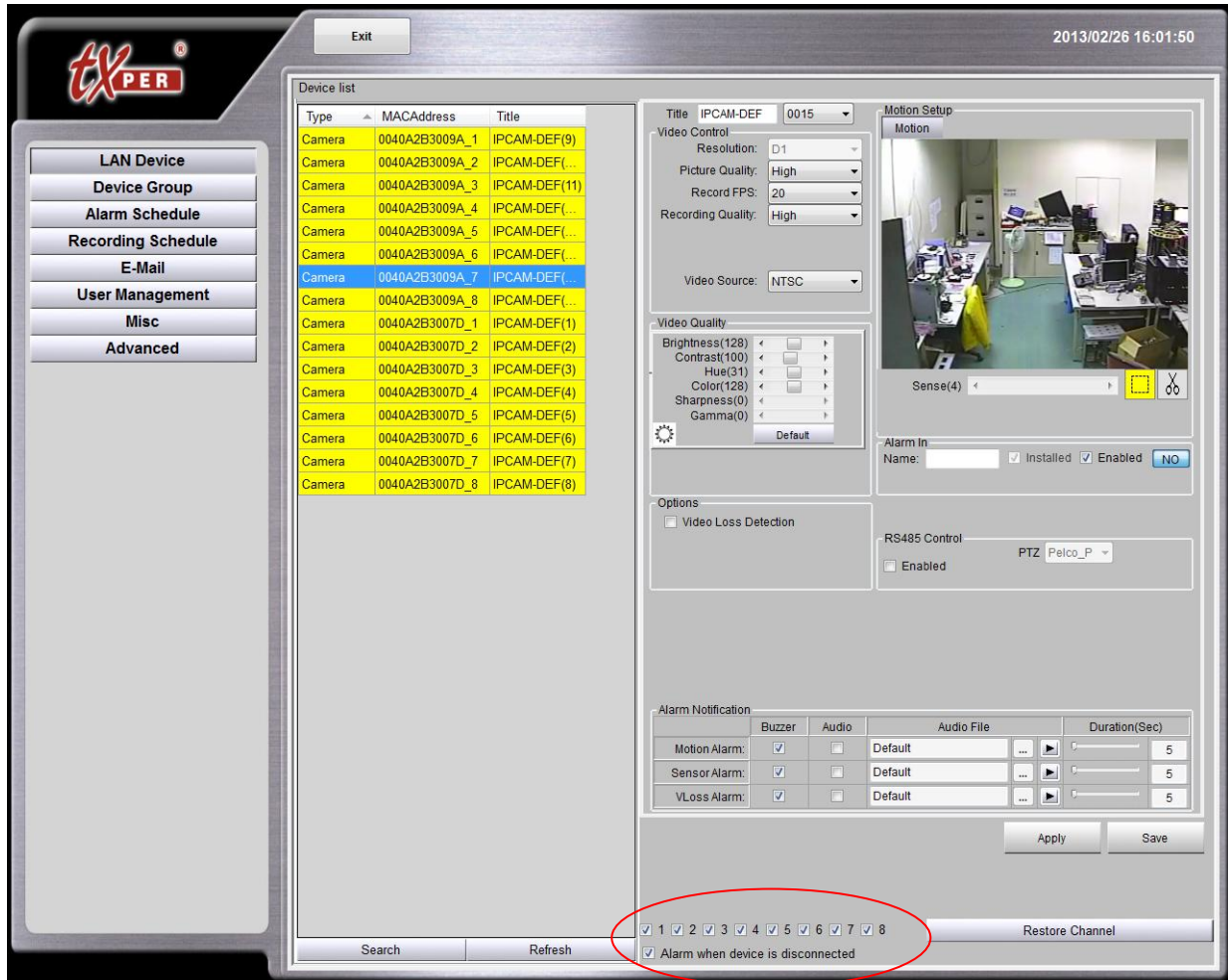


Click the Exit to log off CMS or exit CMS.



Chapter 6 CMS – Setup Menu


LAN Device



For the first-time login, CMS will detect automatically and display all devices on the screen. If it is not the first time launch, the previous connected devices will show on the **Device List**.

Device Auto Detect: This is the default setting of the system.

 **Search** button detects and adds new devices to the **Device List**.

 **Refresh** button updates the **Device List** and removes unavailable devices. **Please note that all settings of the unavailable devices will be deleted.**

Click on each device to edit its settings including name, functions, image quality and alarm.

Click **Save** to confirm the update and exit device setup.





A member of VisionSoft

Telexper International Inc.

3F.-3, No.2, Jian 8th Rd., Zhonghe Dist.,
New Taipei City 235, Taiwan (R.O.C.)
Tel: 886-2-6620-5898 Fax: 886-2-6620-6909
E-mail: sales@telexper.com
<http://www.telexper.com>



ISO 9001:2008

Release Analog Camera License for IP Camera

1. Select the analog camera from the Device List.
2. Uncheck the checkboxes to release licenses.
3. If you wish to restore, click “Restore Channel.”



Video Server / IP Camera

Setting

Title: V-73E-1080P 0024

Video Control

Resolution: 1080P

Picture Quality: High

Record FPS: 30

Recording Quality: High

Video Source: NTSC

Flip Mirror

Video Quality

| | | |
|-------|----------------|----------------------|
| Day | Brightness(30) | <input type="text"/> |
| | Contrast(50) | <input type="text"/> |
| | Hue(50) | <input type="text"/> |
| Night | Color(75) | <input type="text"/> |
| | Sharpness(50) | <input type="text"/> |
| | Gamma(0) | <input type="text"/> |

Default

Options

Audio In Audio Out


LED / IR Schedule

IR Cut On when Level <= 10

IR Cut Off when Level >= 20 Delay(Sec) = 3

Motion Setup

Motion



Sense(4)

Alarm In Name: Installed Enabled **NO**

Go to preset: None

Motor Step Reset

Alarm Notification

| | Buzzer | Audio | Audio File | Duration(Sec) |
|---------------|-------------------------------------|--------------------------|------------|---------------|
| Motion Alarm: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Default | 5 |
| Sensor Alarm: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Default | 5 |
| VLoss Alarm: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Default | 5 |

Apply Save Cancel



Title: Rename the device. Host will update the device name accordingly.

Video Control Setup: You can adjust image quality of each camera on the **Video Control** section.

Click the camera icon and then adjust image quality if needed:

- Resolution (1080P * / 1280 x 720 / 1600 x 1200 * / 1280 x 1024 * / D1 / CIF / VGA)
- Picture Quality (High / Normal / Low)
- Record FPS (1 / 2 / 3 / 5 / 15 / 30) *
- Recording Quality (High / Normal / Low)
- Mode (Indoor / Outdoor)*
- Video Source (NTSC / PAL)*
- Flip Image
- Mirror Image

*1080P is for full HD 1080P camera series; 1280 x 720 / 1600 x 1200 are for 2MP camera series; 1280 x 1024 is for megapixel camera series.

*2MP camera series record FPS is 1 / 2 / 3 / 5 / 12

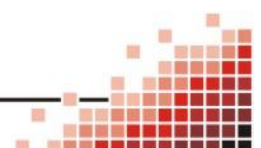
*Mode option is only available for VGA camera series.

*Video Source option is only available for VGA, 1.3M and 2M camera series.

Flip & Mirror Check box: These options are only available for 2MP and above camera series.

You may flip or mirror the camera images.

Video Quality Setup: On the **Video Quality** section, you could adjust **Brightness, Contrast, Hue, Color, Sharpness or Gamma** to the scene environment.



For network camera series, you may adjust different video settings for day and night.

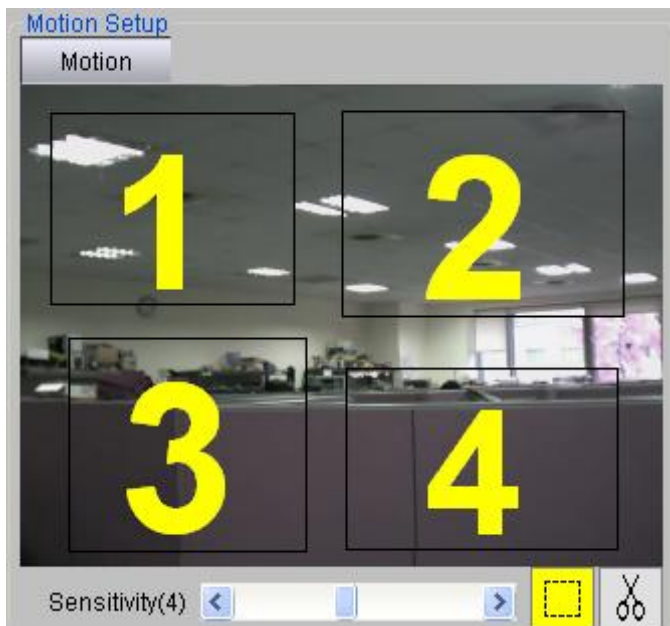
Option:

Check the box of **Video Loss Detection** to detect any video loss.

Check the box of **Audio In** to enable receiving sound from the camera.

Check the box of **Audio Out** to enable transmitting sound to the camera.


Motion Setup



1. Click  to frame the motion area.

Left-click on the screen and move the cursor to frame the desired area for motion zone.

Each Camera can be set up to four (4) detection zones. You can adjust the zone size and drag it to the desired position.

2. Select the detection zone you want to delete and click  to delete it.
3. Adjust the sensitivity of the detection. (0-9; 9: highest sensitivity)




Alarm In and Alarm Out Setting

1. Insert name and check **Enable** box. This name will be shown on the E-map.
2. For **Alarm In Setting**, click **NC** button to switch to **NO** when needed.


Alarm In
 Name: Installed Enabled **NO**
 Go to preset: None

Alarm Out
 Name: Enabled

I/O Device

Click the  will open the 4IN/4OUT RS485 I/O controller setup page for current video server.

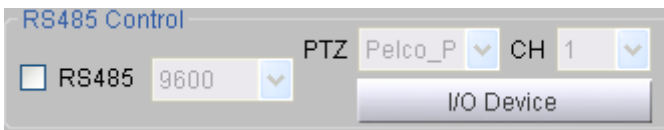
| In | | | Out | | |
|-------------------------------------|----------------------|----|-------------------------------------|----------------------|--------|
| <input checked="" type="checkbox"/> | <input type="text"/> | NO | <input checked="" type="checkbox"/> | <input type="text"/> | Toggle |
| <input checked="" type="checkbox"/> | <input type="text"/> | NO | <input checked="" type="checkbox"/> | <input type="text"/> | Toggle |
| <input checked="" type="checkbox"/> | <input type="text"/> | NO | <input checked="" type="checkbox"/> | <input type="text"/> | Toggle |
| <input checked="" type="checkbox"/> | <input type="text"/> | NO | <input checked="" type="checkbox"/> | <input type="text"/> | Toggle |

And then you could click the  icon on the channel you want to control to open the IO control panel.

| In | | | Out | | |
|-------------------------------------|----------------------|----|-------------------------------------|----------------------|-----|
| <input checked="" type="checkbox"/> | <input type="text"/> | NO | <input checked="" type="checkbox"/> | <input type="text"/> | Off |
| <input checked="" type="checkbox"/> | <input type="text"/> | NO | <input checked="" type="checkbox"/> | <input type="text"/> | Off |
| <input checked="" type="checkbox"/> | <input type="text"/> | NO | <input checked="" type="checkbox"/> | <input type="text"/> | Off |
| <input checked="" type="checkbox"/> | <input type="text"/> | NO | <input checked="" type="checkbox"/> | <input type="text"/> | Off |

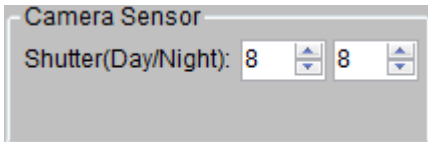
RS485 and PTZ Control

1. Check on the box to enable the PTZ control function.
2. Protocols supported by CMS currently are: **Pelco_P, Pelco_D, Bosch, VC, Panasonic, TX1 and Kalatel.**
3. Baud rate supports 1200, 2400, 4800, 9600, 19200.
4. Channels defined as the ID which can support ID1 to ID255 devices.



Camera Sensor:

Setting up shutter is another function available for 2MP camera series. The higher of the shutter level, the more exposure it accumulates. The lower the shutter level becomes, the less exposure it accumulates and better video quality it gets.

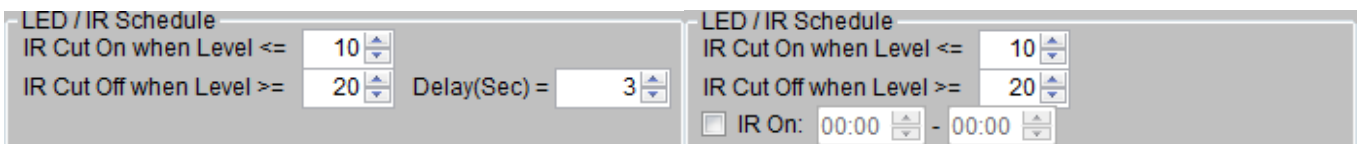


LED / IR ScheduleED:

IR cut on/off threshold setting is available for camera models with high power LED. Adjust IR Lux values to set up when the IR cut should be on and off. For 1080P camera series, you may set the delay time (sec) for IR cut on/off.

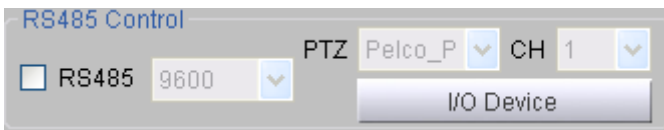
For 2MP camera series, you may manually set a schedule for when the IR should turn on and off.

Please note that this schedule supersedes "IR Cut On/Off when level" settings.



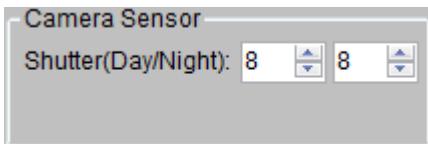
RS485 and PTZ Control

5. Check on the box to enable the PTZ control function.
6. Protocols supported by CMS currently are: **Pelco_P, Pelco_D, Bosch, VC, Panasonic, TX1 and Kalatel.**
7. Baud rate supports 1200, 2400, 4800, 9600, 19200.
8. Channels defined as the ID which can support ID1 to ID255 devices.



Camera Sensor:

Setting up shutter is another function available for 2MP camera series. The higher of the shutter level, the more exposure it accumulates. The lower the shutter level becomes, the less exposure it accumulates and better video quality it gets.

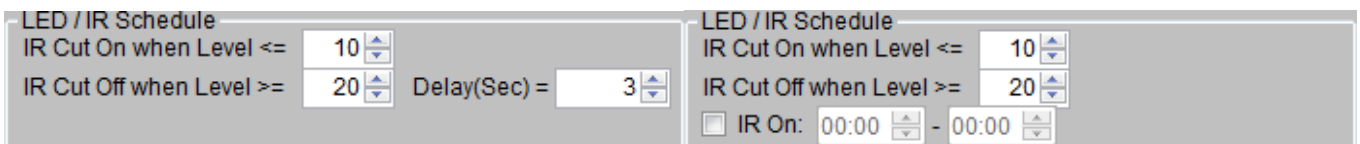


LED / IR ScheduleED:

IR cut on/off threshold setting is available for camera models with high power LED. Adjust IR Lux values to set up when the IR cut should be on and off. For 1080P camera series, you may set the delay time (sec) for IR cut on/off.

For 2MP camera series, you may manually set a schedule for when the IR should turn on and off.

Please note that this schedule supersedes "IR Cut On/Off when level" settings.



Motor Step Reset

This is a feature solely for 1080P camera with auto focus zoom. The zoom and focus motor step reset requires estimated 1 minute.

Alarm Notify


1. Motion Alarm: Could define the sound type and the duration for each single camera.
2. Sensor Alarm: Could define the sound type and the duration for each single camera.
3. VLoss Alarm: Could define the sound type and the duration for each single camera.

| Alarm Notify | | | | |
|---------------|-------------------------------------|--------------------------|------------|---------------|
| | Buzzer | Audio | Audio File | Duration(Sec) |
| Motion Alarm: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Default | 30 |
| Sensor Alarm: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Default | 30 |
| VLoss Alarm: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Default | 30 |


Note: 1080P camera series have auto white balance function, so it is normal to see minor color changes on the camera video.

Acknowledge Alarm Event

When a motion alarm is triggered, the system will automatically start recording.

To acknowledge a motion alarm, click the flashing icon  on the live screen.

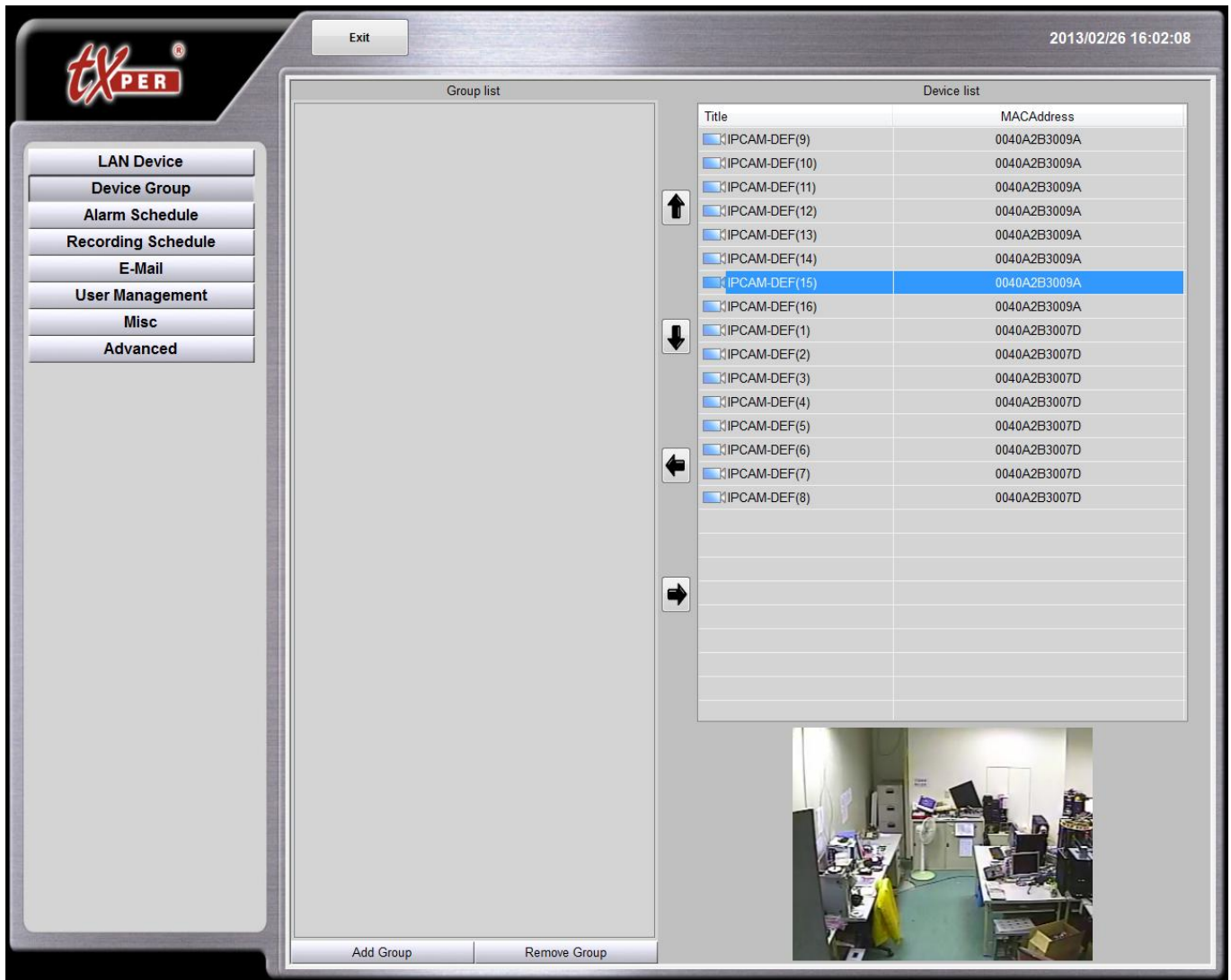
To further update the status of the alarm event, you will need to go to **Alarm Log**

 , which contains the full list of alarm events.




Device Group


Device group allow you to add and define the groups for all the devices, for you to manage the cameras, monitors and network video recorder more convenient.

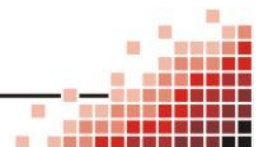



1. Add a new group by clicking **Add Group** 

2. Click on **Remove Group**  to delete the selected group.


3.  Move the selected camera up in the order.

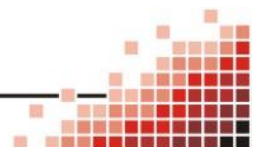
4.  Move the selected camera down in the order.



5. Select one device from the **Device List** and then click  to add to the selected **Group**

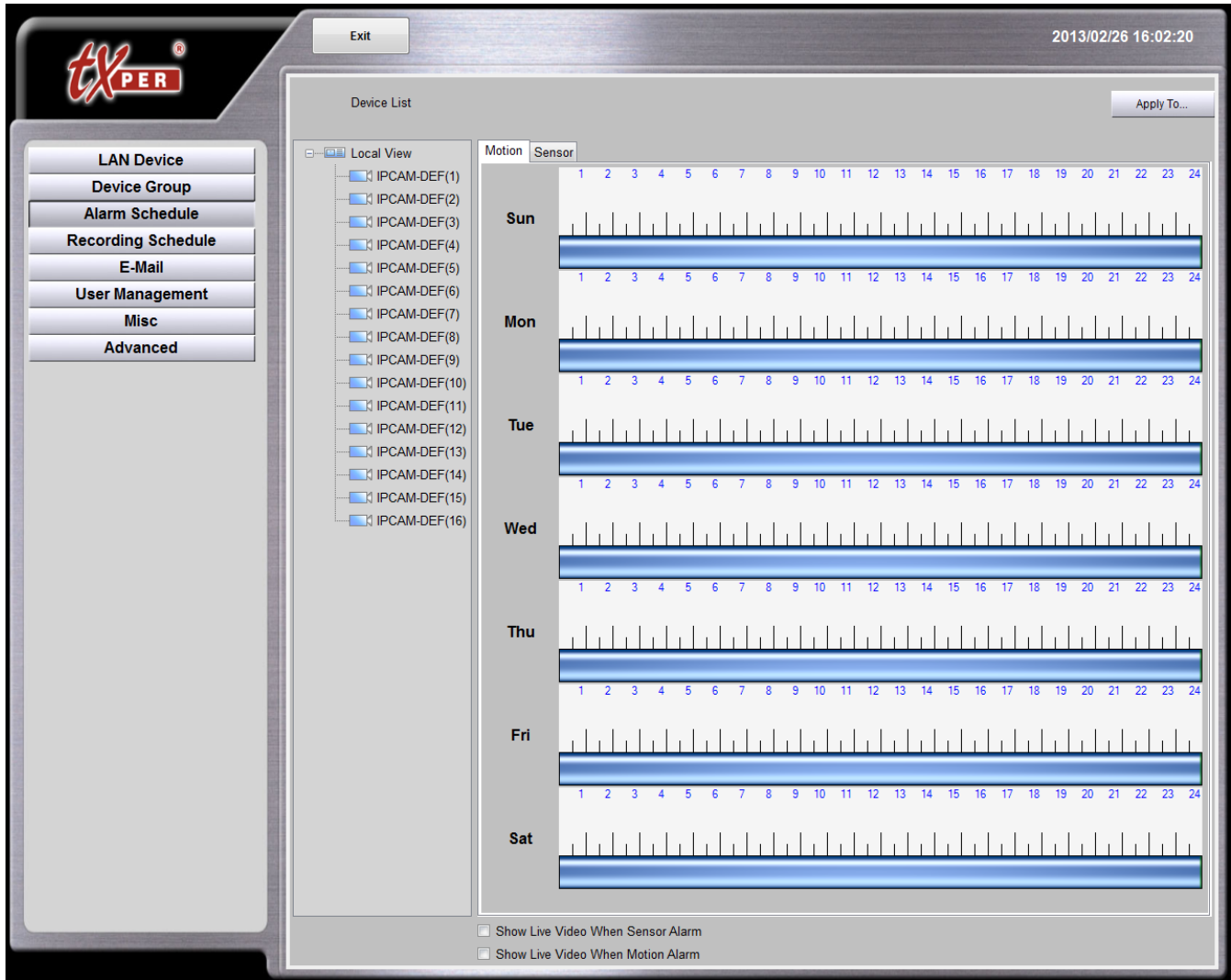
List.

6. To remove devices from the **Group List**, select the desired camera and then click .



Alarm Schedule

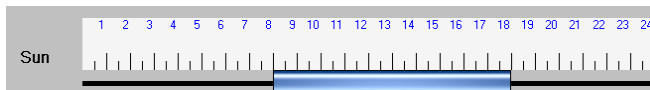
CMS allows you to set up a schedule to for motion and sensor alarm.



1. Select one device from the **Device List**.
2. Select alarm type tab: **Motion** or **Sensor**.
3. **Setup Alarm Schedule**

Draw time bar to schedule alarm activation for each camera.

Example: 08:00 - 18:00 Sunday REC

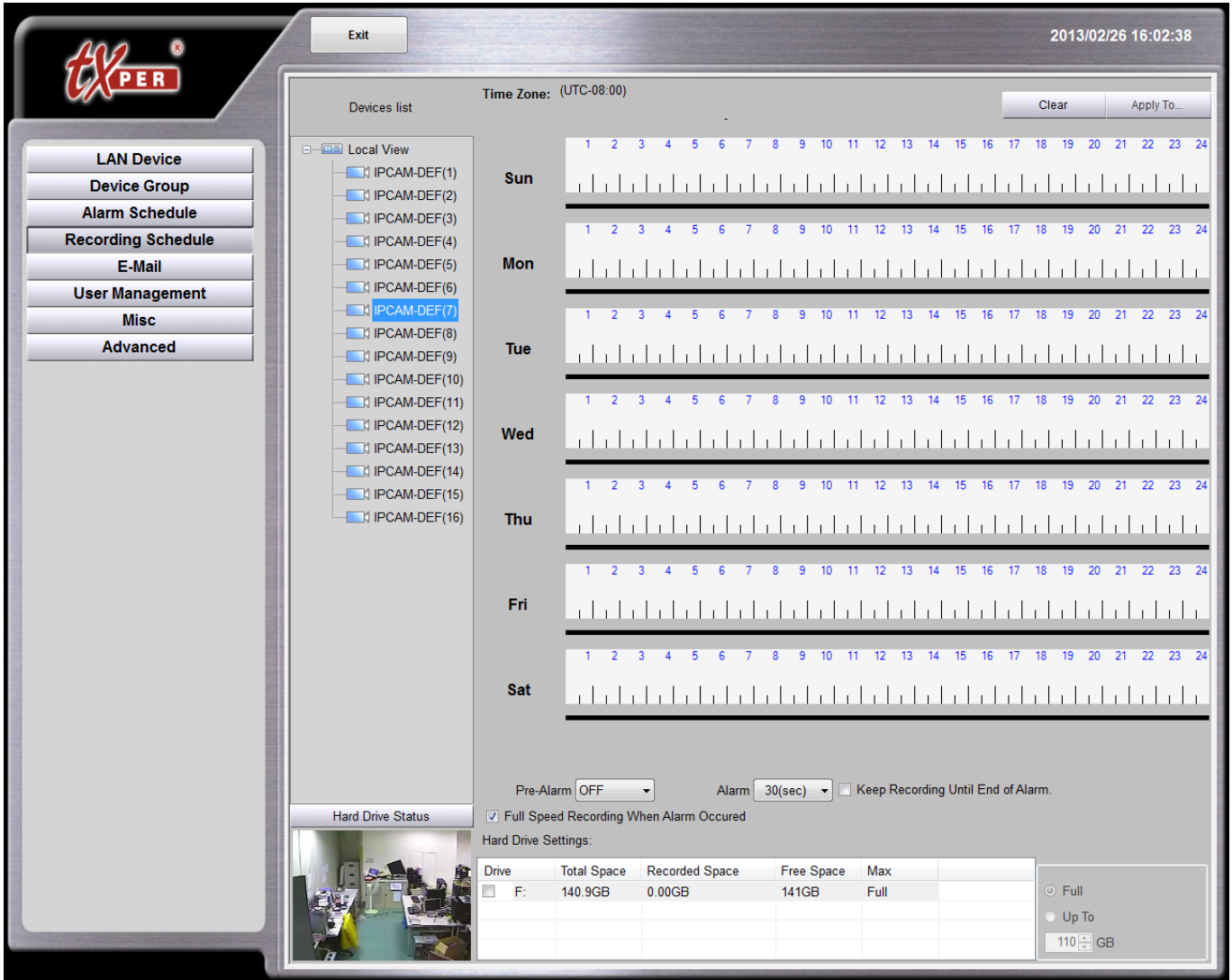


4. **Apply To:** Click **Apply To** to apply current camera's schedule to other cameras.



Recording Schedule

To modify the recording schedule, please enter Recording Schedule Setup page.



1. Hard Drive Selection:

Select the **Hard Drive** you want to save for recording video/audio files.

CMS will display the **Estimated Total Hard Drive Storage** automatically.

2. Setup Storage Space: At least 30GB shall be reserved for REC.

3. REC Speed Setting: Recording speed: 1~30 fps for the cameras

4. Full Speed Recording When Alarm

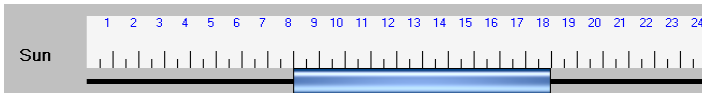
Check on the box to enable Full speed recording (30fps) when alarm.



5. REC Schedule Setting

Draw time bar to schedule and enable video/audio REC for each camera.

Example: 08:00 - 18:00 Sunday REC



6. Storage Space Check

During the schedule settings, the system will automatically display the required Hard Drive Space.



The following message will pop up if the estimated space has exceeded the allocated hard drive space

Please note that the estimated required space has exceeded the maximum space allowed for recording. Home+ will be using the recycle technique



1. Please make sure that the designated Hard Drive space is greater than the estimated space for recording. **We do not recommend to set up the recording space on the Drive C:**
2. The system will begin to recycle recording mode when the recording space is full.

Pre-Alarm Alarm Keep Recording Until End of Alarm.

Full Speed Recording When Alarm Occured

Hard Drive Settings:

| Drive | Total Space | Recorded Space | Free Space | Max |
|--|-------------|----------------|------------|------|
| <input checked="" type="checkbox"/> F: | 140.9GB | 0.00GB | 141GB | Full |
| | | | | |
| | | | | |

Full
 Up To
 GB



Alarm Recorder

Pre-Alarm Save the footage (0-10 second) **before** the alarm.

Alarm Save the footage (up to 60 second) **after** the alarm.

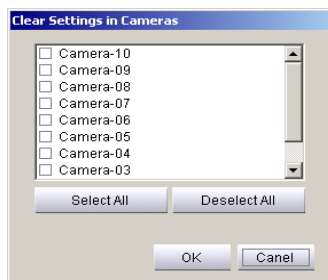
The default recording time is 30 seconds.

Check the **Keep Recording Until End of Alarm** up; CMS will not consider the settings of

Pre-Alarm and **Alarm**, CMS will record **Pre-Alarm** 10 seconds and **Alarm** 60 seconds.

勾選 **Full Speed Recording When Alarm Occured** 後當警報發生時，會全速錄影。

Clear



Click **Clear** to remove checked cameras' schedules. Select the desired cameras and then click OK.

Apply To



Click **Apply To** to apply current camera's schedule to other cameras.



E-Mail



1. Input user (sender) name, sender's email address, sender's SMTP server and sender's email account's user name and password.

If you have Outlook/Outlook Express installed on CMS already, click **Import** for email account information.

2. **Send Mail if Alarm Occurred:** Check this box to enable email notification when an alarm is triggered.
3. **Attach Image:** Check this box to attach alarm image to the email notification.
4. Enter a subject for your email in the **Subject** field.





A member of VisionSoft

Telexper International Inc.

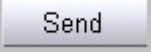
3F.-3, No.2, Jian 8th Rd., Zhonghe Dist.,
New Taipei City 235, Taiwan (R.O.C.)
Tel: 886-2-6620-5898 Fax: 886-2-6620-6909
E-mail: sales@telexper.com
http://www.telexper.com



ISO 9001:2008

5. Click **Add Mail Address** to insert and add recipient email address.

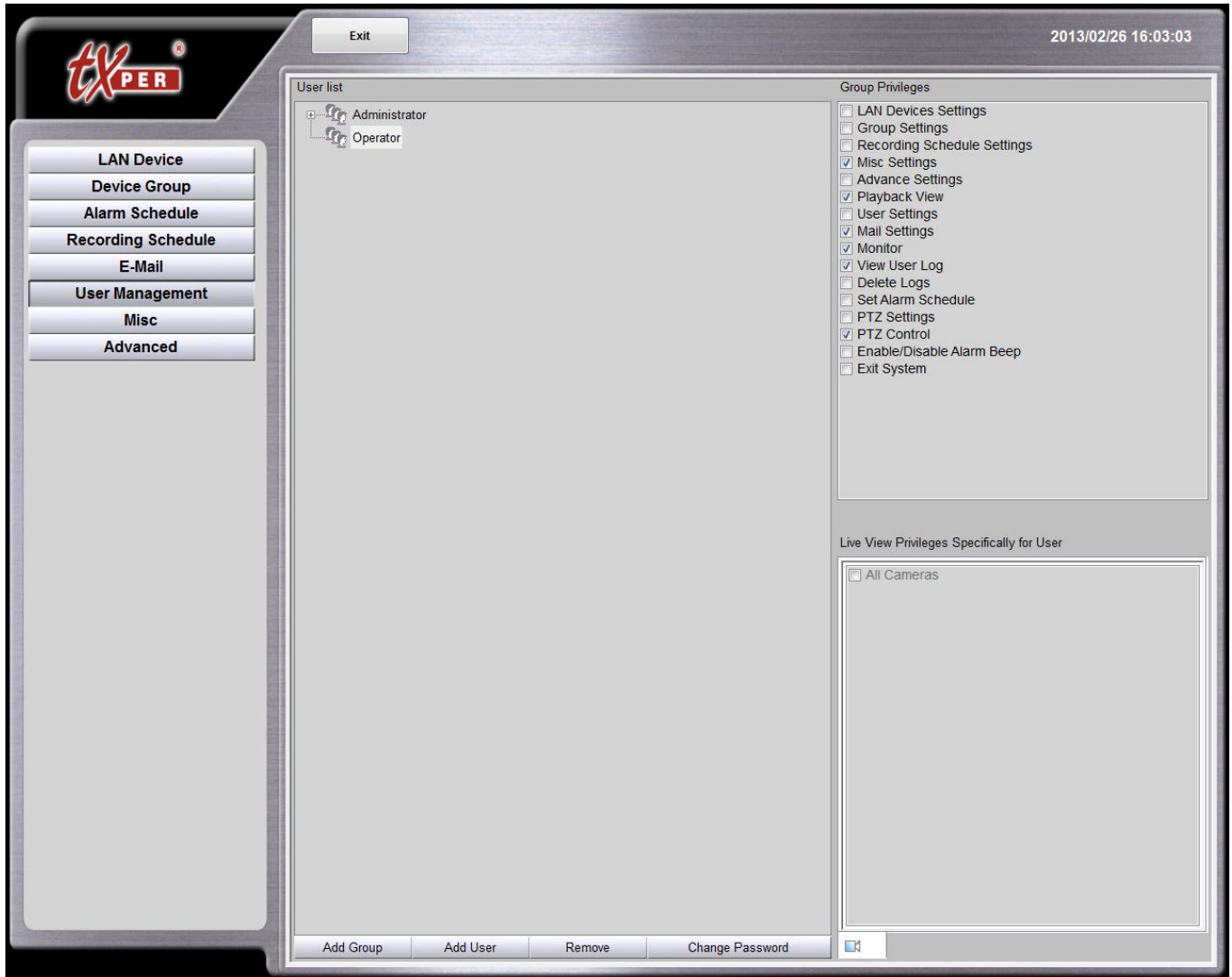
Select existing email address and click **Remove Mail Address** to remove.


6. Click  to send a test message.






User Management

User Management helps establishing authorities for each user and group.



- Add Group**  : Click **Add Group** to create a new group.

Add User  : Select a user group you want the new user to be under and click **Add User** to create a new user, and **Password**
- Remove**  : Select a member or group and click **Remove**.
- Change Password**  : Select a user and click **Change**



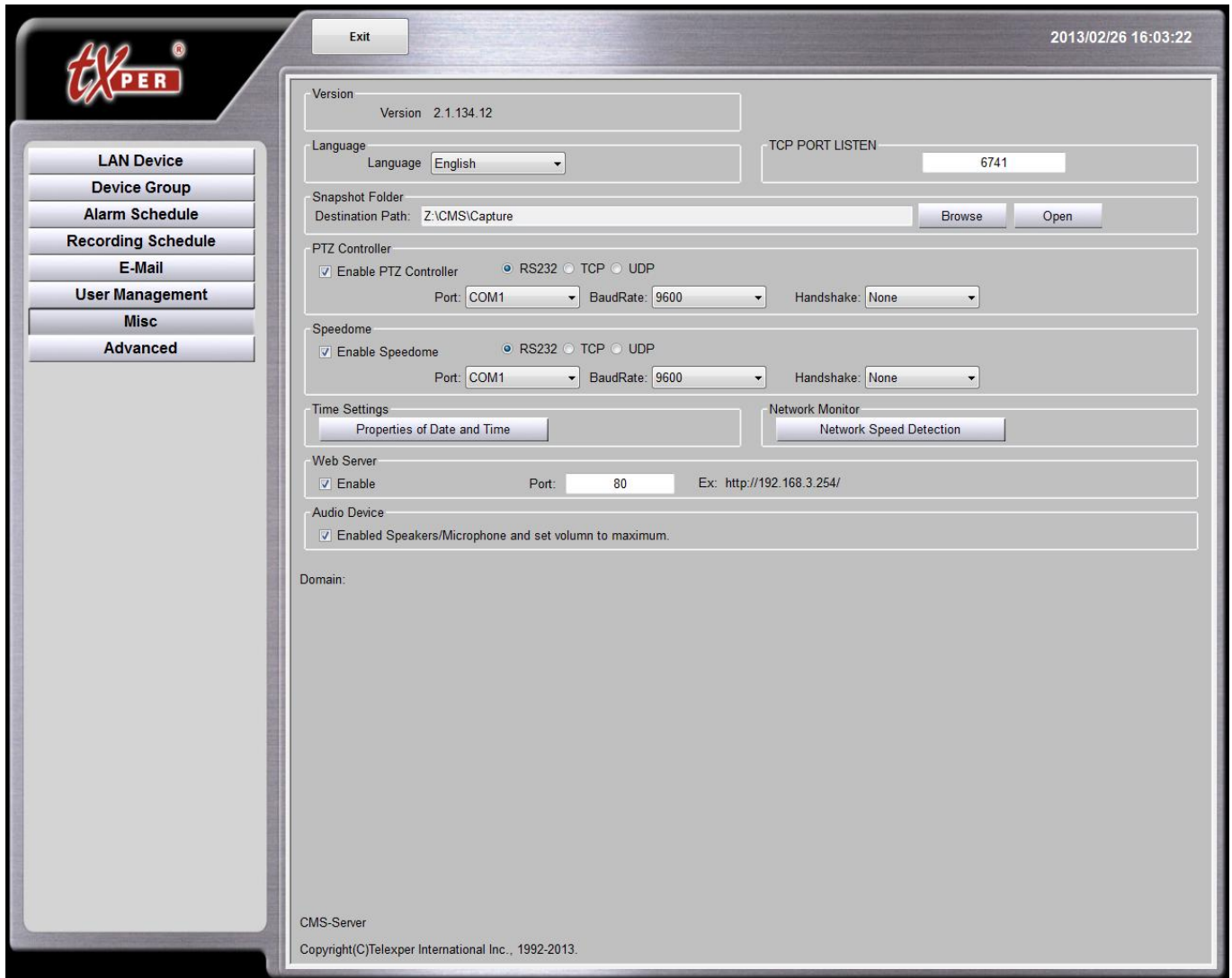
Password to update user password.

4. **Privileges** **Group Privileges** / **Live View Privileges** : Select a user group, check or uncheck the **privilege boxes**, and then click **Save** to confirm. Please note that all changes will apply to all the users in that associated group.



Miscellaneous

Miscellaneous page listed the language settings, PTZ settings, SNTP settings and etc.

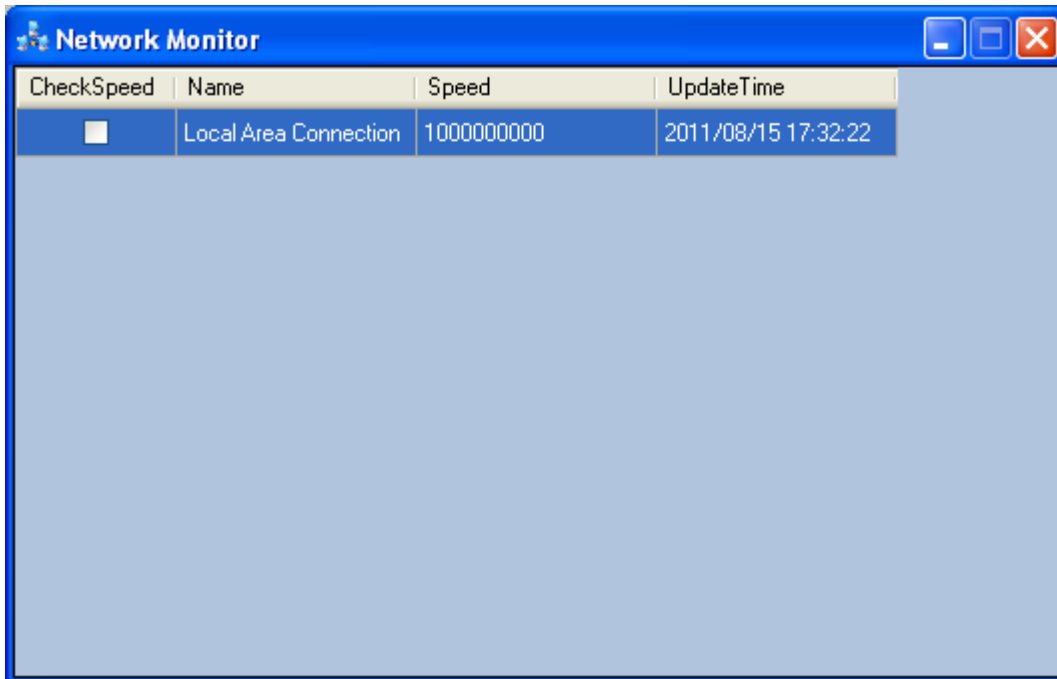


1. **Version:** It will show the version of CMS.
2. **Language:** Scroll down the language bar and select the language for the system.
3. **TCP PORT LISTEN:** The default port for remote connection is 6741. Please change the Port if needed.
4. **Snapshot Folder:** Click Select and choose a folder for the saving the snapshots.
 Click **Open** to view saved snapshot images.
5. **Enable PTZ Controller:** Check on the box for enabling the PTZ controller feature Port,



Baud rate.

6. **Enable Speedome:** Check on the box for enabling the Speedome feature Port, Baud rate.
7. **Time Settings:** You may call out Windows **Time and Date Properties box** to adjust the time.
8. **Network Monitor :** Monitor any irregularity in system's internet speed.

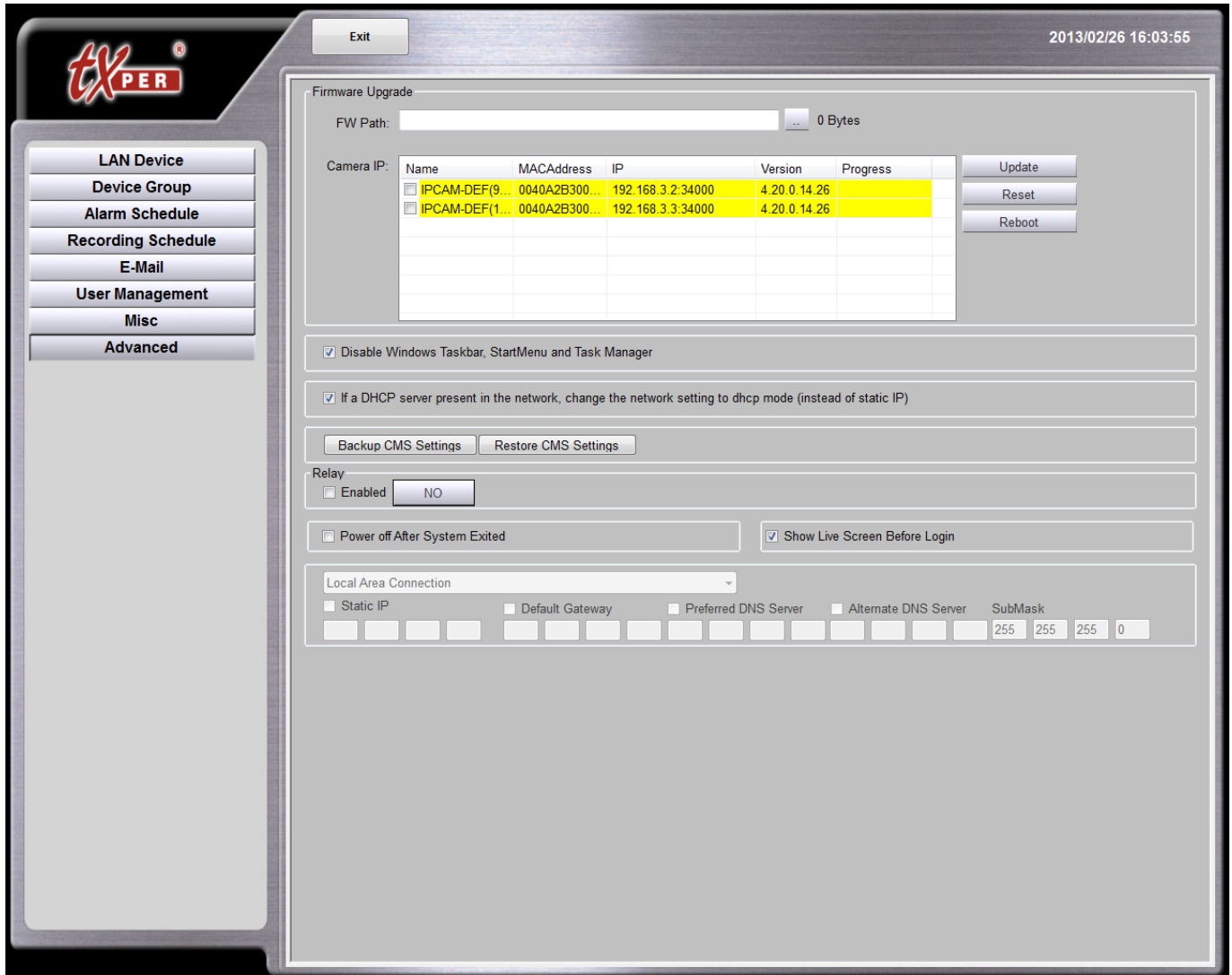


9. **Web Server:** Check this box to enable web server to connect to CMS.
10. **Audio Device:** Check this box and the CMS server will output audio with connected speakers while the CMS server got alarms.

Domain shows the domain name which this server had registered.

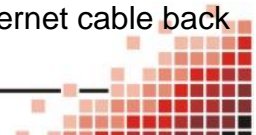


Advanced

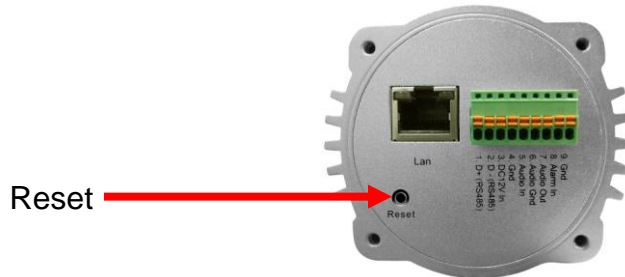


1. **Firmware Update:** You can update the selected cameras with Firmware Update.
Enter the FW path, check the boxes of the cameras you wish to update, and then click **Update**.
2. **Reset:** If you encounter IP conflict after LAN setup, you may reset your whole system to the initial status. Click Reset button to reset the system.

For full HD 1080P, 3MP and 5MP box type and bullet type cameras, you may reset back to factory default by software and reset button on the back of the camera. To use the reset button, please unplug the Ethernet cable from the camera, plug in the Ethernet cable back



and press the button for 15 seconds. Release the button after 15 second and the camera will return to factory default setting.



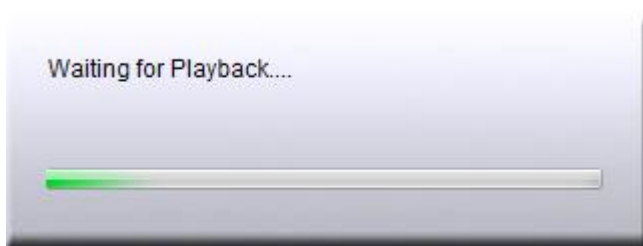
3. **Disable Windows Taskbar, Start Menu and Task Manager:** Check on the setting to disable the keyboard “Windows” button, disable the “Start Menu” pop-up function, and disable the “Task Manager” function.
4. **If a DHCP server present in the network, change the network setting to dhcp mode (instead of static IP):** If in the network there is a DHCP who allocate IP, then system will automatically change network setting to DHCP mode.
5. : Save the backup file (.bak) to the desired directory.
- : Import backup file (.bak) to the current CMS. The system will automatically restart.
6. **Relay:** Check **Relay** box to enable detection of NO (normal open) or NC (normal close) relay from the Alarm-in cable on the system.
7. **Power off After System Exited:** Check this box to power off the system when user exits the system.
8. **Show Live Screen Before Login:** Check this box to enable system to display live screen before login.
9. For LAN network without DHCP, please uncheck the option of **“If a DHCP server present in the network, change the network setting to dhcp mode (instead of static IP)”**, and then insert information such as Static IP and Default Gateway.



Chapter 7 CMS – Playback Mode



When you click the Playback button on the control panel on the top of Live View Screen, CMS will connect to the video recording database and display all the recorded video files of the cameras.




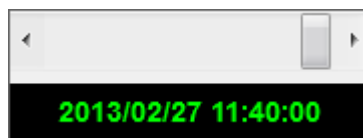
The Playback mode of the CMS helps you to easily display those channels which you want to review by group.

1. **Group By: NoSort** : The system will display the cameras randomly (warehouse-1, purchase-2, production-1 ...etc.) to play back. You can click on each group title to play the recorded image simultaneously in channels of 4, 8, 9, 10, 13, 16.
2. **Group By: Device Group** : The system will display the cameras according to their GROUPS' consequential order (Group-1, Group-2, Group-3 ...etc.) to play back. You can click on each group title to play the recorded image simultaneously in channels of 4, 8, 9, 10, 13, 16.

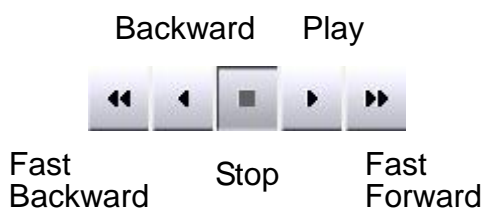
Basic Playback



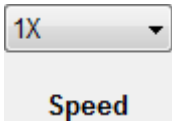
1. Scroll the **Play Control Bar** to the desired time, and click  to play the footage.




2. Playback Control

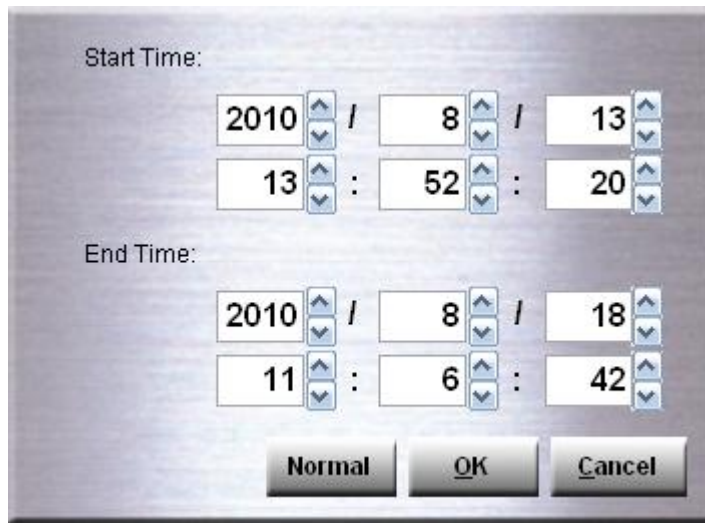


3. Click on the play speed bar to adjust the speed (1X, 2X, 4X, 8X) of playing the footage.




Time Search Playback

1. Click **Time Search** button  .
2. User can input the desired start time, or click **Advance** to setup a time range to search



3. Click **OK** to start.

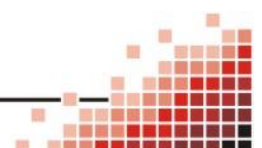
Alarm Search

You can easily watch all alarmed videos with **Alarm Search**. Click on the icon  to switch to the Alarm Search for motion and sensor alarm events.



Motion: To search for motion alarms from the alarm log, left-click and right-click mouse to search for the previous and next alarm accordingly.

Sensor: To search for sensor alarms from the alarm log, left-click and right-click mouse to search for the previous and next alarm accordingly.



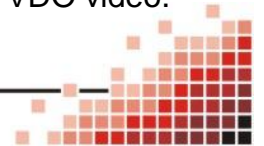
Playback Main Menu Buttons



AVI Export

1. Click **Export** button, and Key in Time Range

| Camera | MAC Address |
|--|--------------|
| <input type="checkbox"/> 3M | 0040A250175D |
| <input type="checkbox"/> IPCAM-DEF(1) | 0040A2B3007D |
| <input type="checkbox"/> IPCAM-DEF(2) | 0040A2B3007D |
| <input type="checkbox"/> IPCAM-DEF(3) | 0240A2B3007D |
| <input type="checkbox"/> IPCAM-DEF(4) | 0340A2B3007D |
| <input type="checkbox"/> IPCAM-DEF(5) | 0440A2B3007D |
| <input type="checkbox"/> IPCAM-DEF(6) | 0540A2B3007D |
| <input type="checkbox"/> IPCAM-DEF(7) | 0640A2B3007D |
| <input type="checkbox"/> IPCAM-DEF(8) | 0740A2B3007D |
| <input type="checkbox"/> IPCAM-DEF(9) | 0040A2B3009A |
| <input type="checkbox"/> IPCAM-DEF(10) | 0040A2B3009A |
| <input type="checkbox"/> IPCAM-DEF(11) | 0240A2B3009A |
| <input type="checkbox"/> 73D-1080P(11) | 0040A2D4073D |
| <input type="checkbox"/> IPCAM-DEF(12) | 0240A2B3009A |

2. Then select the directory where you want to save the exported files.
3. Select export format: Standard AVI or Private VDO. Standard AVI video can be played by Windows Media Player that supports H.264 format. Private VDO video requires CMS Player to view. Windows Media Player does not support Private VDO video.



4. Click  to execute the command.
5. When the **Finished.** is showed on the status bar, then, the AVI export is completed.
6. Then click the  to leave the AVI Export

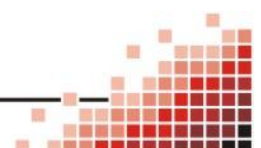
Note: The exported AVI file has to be played by CMS Player and could not be played by Windows Media Player. For first time CMS Player installation, check on the “Export Player” box. Selected footages will be saved under the designated directory and the

CMS Player will be installed and a shortcut  will be created on the Windows Desktop.

Note: Under Proprietary Mode, video files can be exported to hard disk, CD or DVR. Under Standard Mode, each channel’s FPS needs to be selected prior to exporting.

Capture 

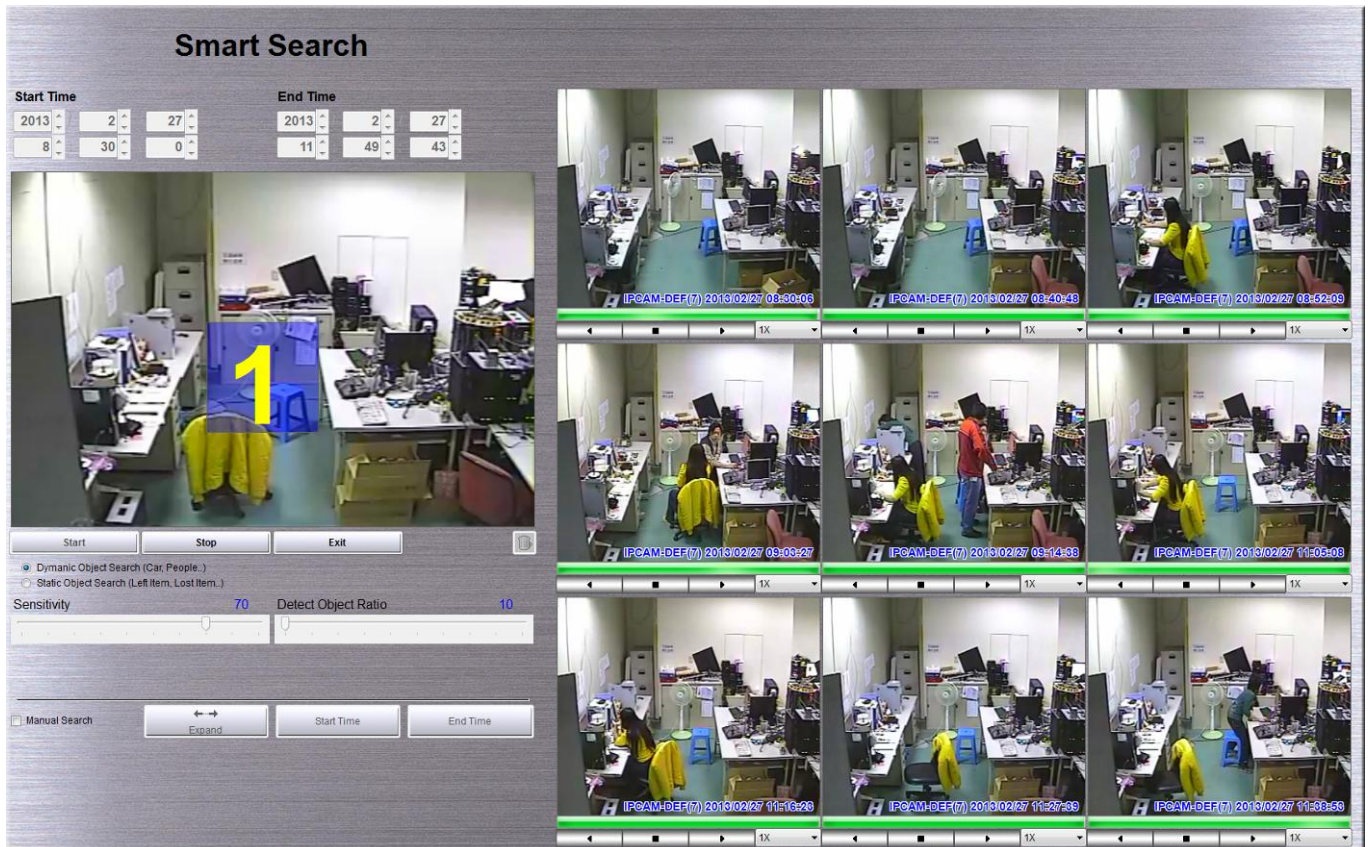
CMS can take and save a single screenshot at the maximum resolution for the selected channel. Click a channel on the live screen and then press **Capture** button to save the image as a JPG file. To view or change the image folder, go to **Setup, MISC** to update the **Snapshot Folder**.




Smart Search

Smart Search

Smart Search provides a narrower search function.

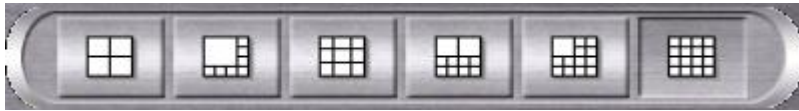


1. Select channel from the Playback page that you would like to search on.
2. Click on **Smart Search** icon to pull out the Smart Search page.
3. Left-click on the screen and move the cursor to frame the motion detection area.
4. According to the sensitivity and detect object ratio, check on **Dynamic** or **Static Object Search** box. You may adjust the Sensitivity (0-90) bar and Detect Object Ratio (10-100) bar if needed. Detect Object Ratio is the degree of changes of the framed area you selected in step #3. The higher the degree, the fewer results will be found.
5. Click **Start** to start searching. The search results will show on the right screen.
6. Use the Playback Control  to play/backward/stop the video. You may double-click on one of the search results to play the footage on Playback screen.



7. Check on the **Manual Search** box for narrower search:
 - a. Select one result from the 9-grid screen and click **Start Time**. Select another result from the 9-grid screen and click **End Time**.
 - b. Click **Expand** to execute more detailed search.

Screen Display



Supports the 4/ 8/ 9/ 10/ 13/ 16 display.

For Full-Screen Display, please help to click directly on the desired channel to select then click again to switch to full-screen. Click again to return to the previous screen display.



Chapter 8 RemoteCMS

System Requirements for RemoteCMS Software


Telexper IP CCTV Solution provides the best performance, stability and reliability for you all to have the best quality on the Surveillance and security.

Regarding RemoteCMS, please refers to the Recommended Hardware Environment below:

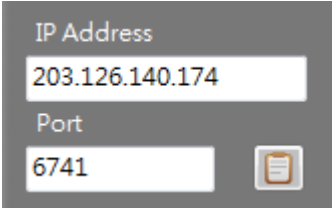
| Recommend Hardware Specifications | |
|--|----------------------------------|
| Operating System | Windows XP, or above |
| CPU | Intel Dual-Core 2.66G, or higher |
| CPU for viewing cameras with 1080P resolution or above | Intel i7 |
| RAM | 2G |
| RAM for viewing cameras with 1080P resolution or above | 4G |
| VGA | NVIDIA N210 or above |
| Minimum size for software application installation | 300MB |

Getting Started RemoteCMS

1. Login RemoteCMS

Double-click the RemoteCMS  icon to begin the software.

2. Connect



The screenshot shows a dialog box with two input fields. The first field is labeled 'IP Address' and contains the text '203.126.140.174'. The second field is labeled 'Port' and contains the text '6741'. There is a small icon of a document next to the port field.

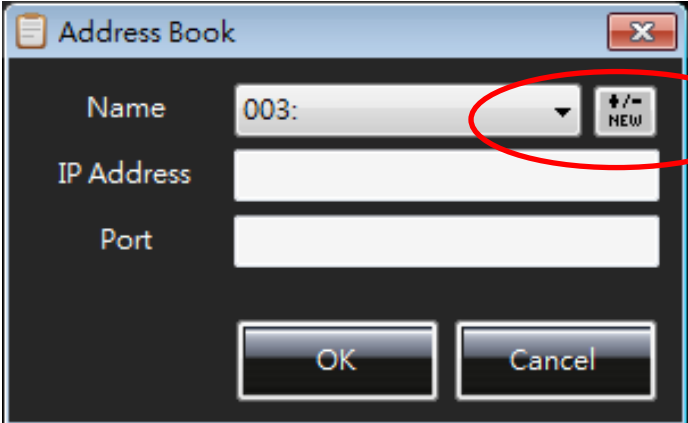
Input the IP address of the server which you want to connect. The default port is 6741.

Address Book

You can save multiple CMS server IP addresses (up to 512 entries) to the Address Book.

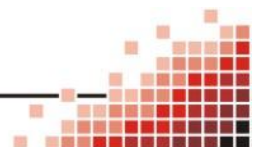
To save IP address:

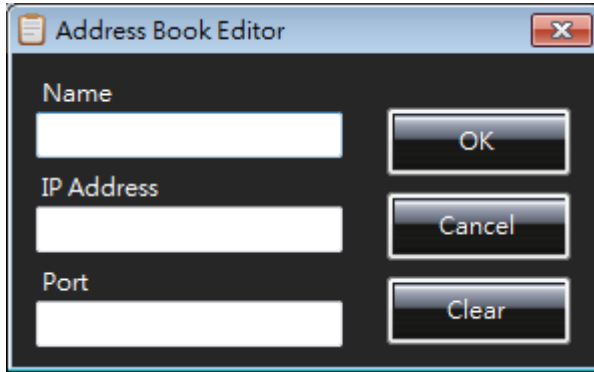
1. Scroll down address entries (1-512) and select one entry #, and then click **+/- New**.



The screenshot shows a dialog box titled 'Address Book'. It has three input fields: 'Name' with the text '003:', 'IP Address', and 'Port'. To the right of the 'Name' field is a dropdown arrow and a button labeled '+/- NEW'. This area is circled in red. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

2. Create a name for the CMS server, input IP address and Port for the CMS server. (See above instructions).





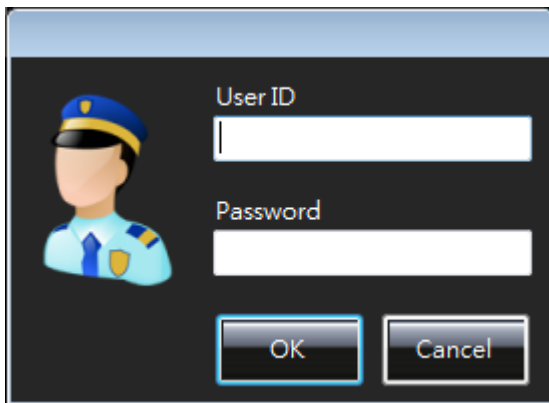
3. Click **OK** to save the entry.
4. Click **OK** to connect.
5. In the future, you may go to the **Address Book** and simply connect to previous saved CMS without inputting the information again on the main menu.

Connect



After inputting CMS IP address or selecting a site from the Address Book, press the Connect Icon to login.

Then, there will be a window pop-up. Insert Username and Password to sign in.



Default Username: admin
Default Password: 99999999





Display Mode



You could change the LIVE screen display to 1 / 4 / 9 / 16 /19 screen display mode.

You may double-click on the selected camera to switch to full screen.

Click   to maximize the window or resize the window.



RemoteCMS Screen-Live Mode

Allow you to connect to the CMS server remotely, can even control the PTZ or I/O devices on the web based RemoteCMS application.

Control Buttons:

- Live
- Setup
- Remote Playback

Setup: Language




Device list varies based on the user authority given

You could also right click the mouse button on the channel to open the TTL and PTZ control. It will allow you to open the device like alarm, light, etc,

Snapshot

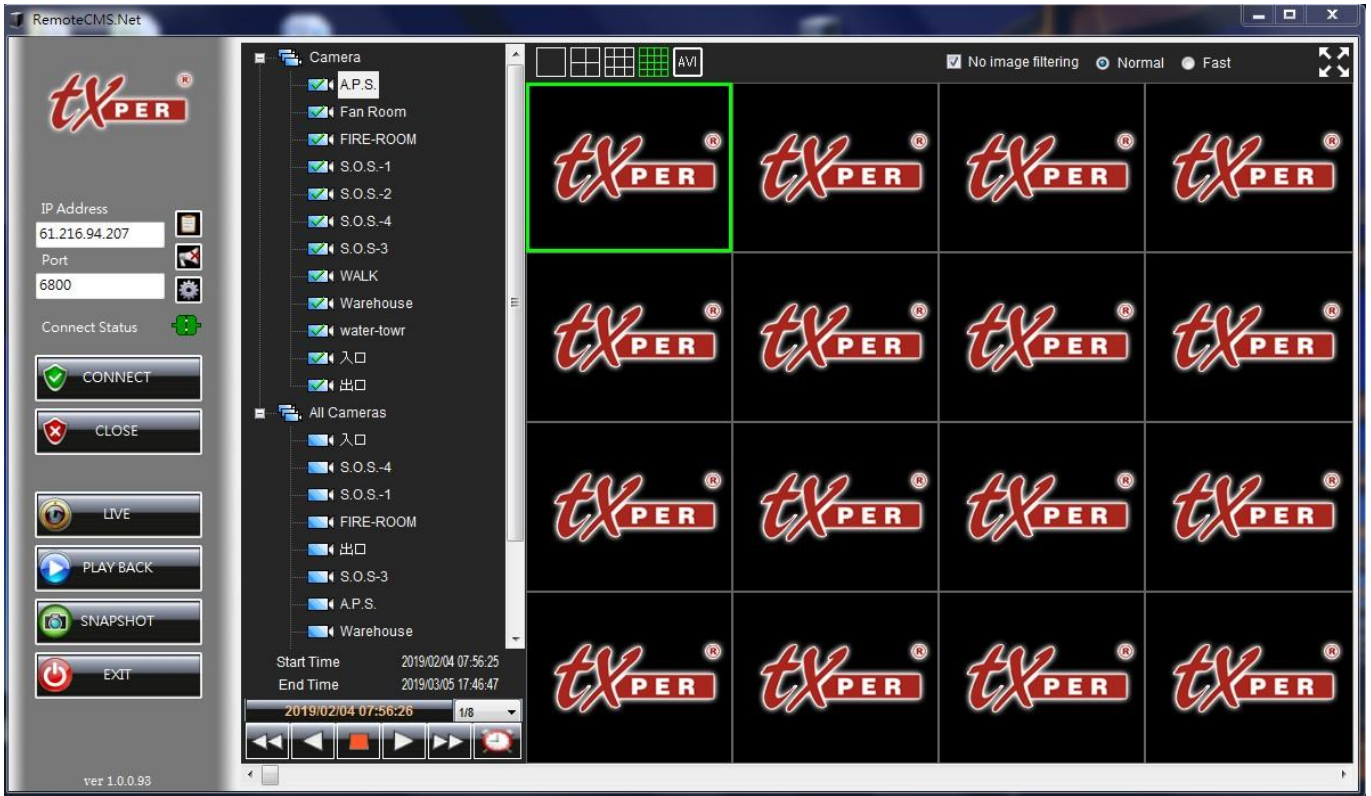
Click the Icon can snapshot the current channel.

AVI

You may AVI export LIVE video on the cameras you currently are viewing. Select the location where you want to save the videos and it will start recording locally. The AVI icon will turn green . Simply click on the AVI icon  to stop the recording. The AVI icon then will return to 

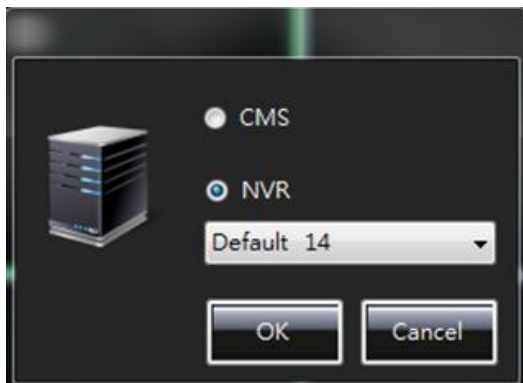


RemoteCMS Screen-Playback Mode



1. Please click  to enter the playback mode.

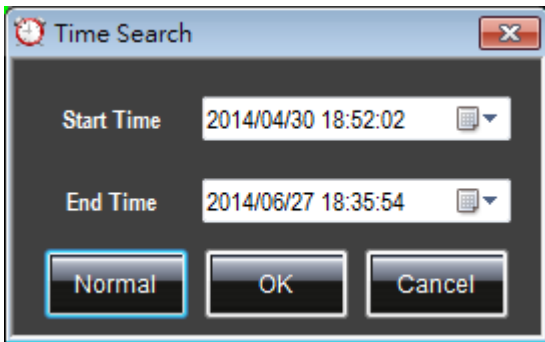
2. Select NVR records.



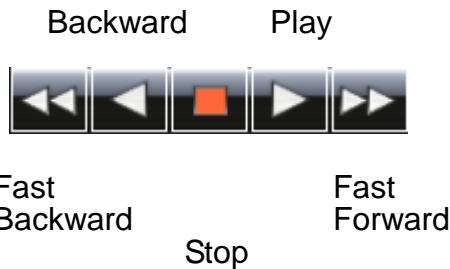
3. Select the date/time of the recorded video/audio by clicking the scrolling arrow.






4. Or you may do Time Search by clicking



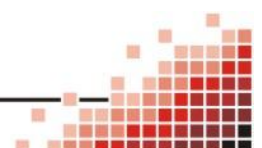
Playback Control



AVI

You may do AVI export on the cameras you are viewing. Select the location where you want to save the videos and it will start exporting. The AVI icon will turn green . Simply click on the AVI icon  to stop the recording. The AVI icon then will return to .

Note: Before going AVI export, please select the video quality you wish to export.



Chapter 9 IE Remote Connection Settings

Directly use the IE browser to connect the CMS

CMS server provide WEB interface for users to use the IE Browser connecting to the CMS server.

Users can use IE Browsers to watch and operate the cameras with their settings.

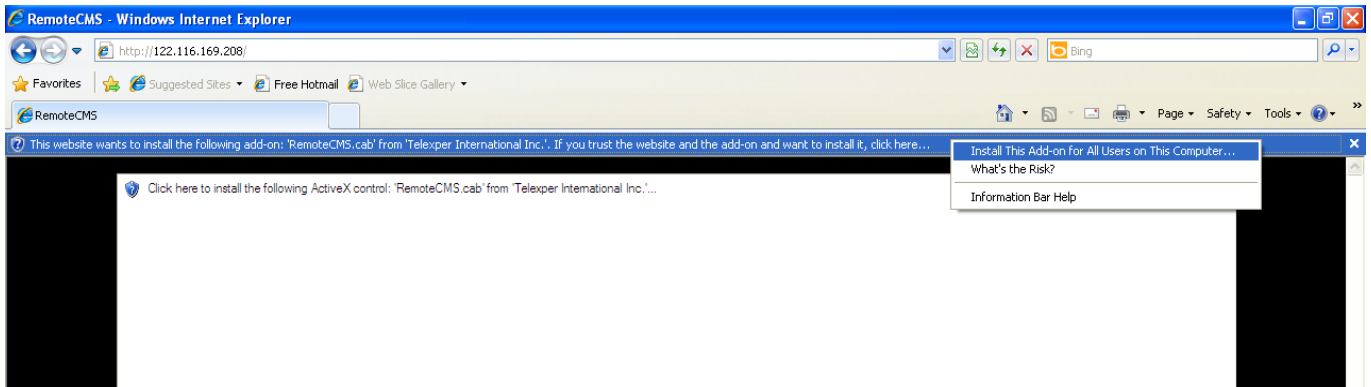
The WEB connection settings list below:

1. Close the setting page after the setting was done, and restarts the IE browser.

Input the CMS server WAN-IP which you want to connect, as example

<http://220.135.199.148/>, the system will ask you to install the required ActiveX

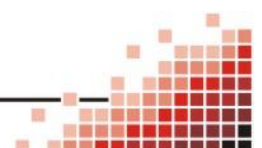
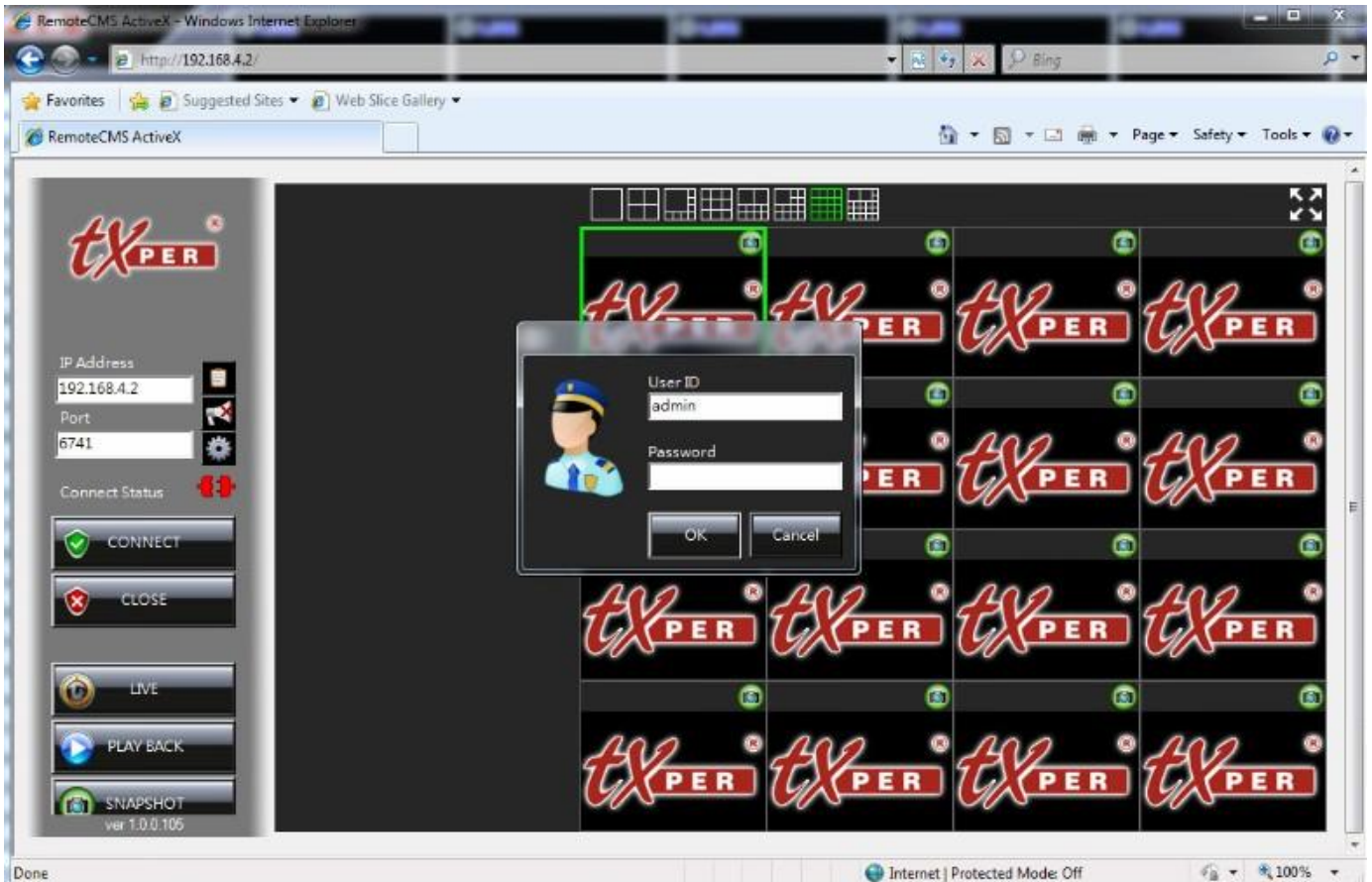
component, press the **“Install”** few time for each prompt.



2. Choose the **“Install ActiveX Control”** on webpage, then click the **“Install”** Button to accept the installation.



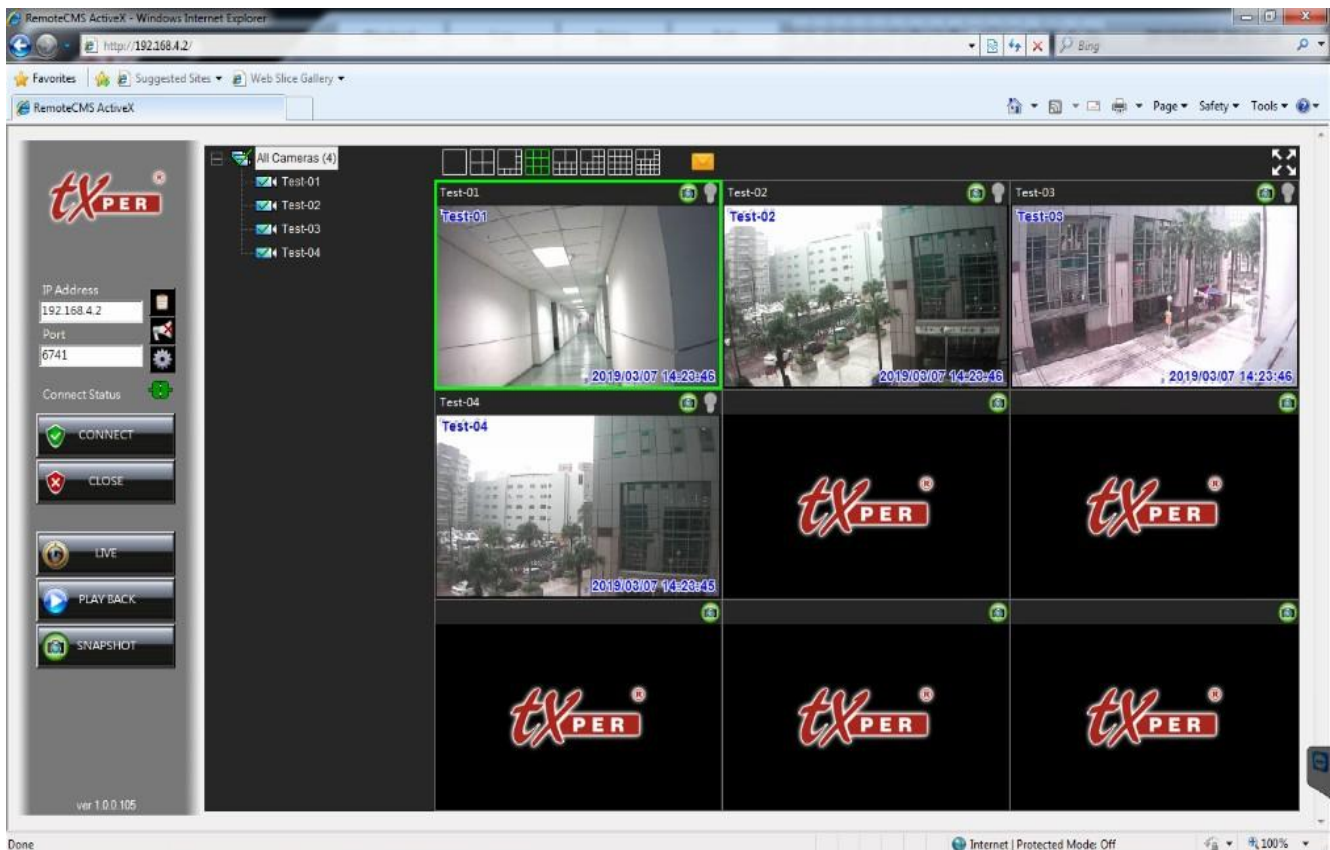
- When the installation is installed successfully, the webpage will refresh automatically, and display the login-in dialog box.



4. After the components were be installed complete will pop-up a login window, Please input the user name and password which is allowed to login into your CMS server.
Default account is admin / 99999999.



5. It will show the remote cameras on the screen if you login successful.



6. **Snapshot**



Click a channel on the live screen and then press **Snapshot** button to save the image as a JPG file.

7. Click



to enter Remote Playback Mode. The operations for the Remote Playback Mode are the same as CMS Playback Mode. Please refer to prior chapters for detailed instructions.

Directly use 3G smart phone to connect to CMS

For Android:

step 1: go to Play Store to download

step 2: search Telexper Mobile CMS

step 3: key in IP address

Port: 6741

User: admin

PW: 99999999

Save & Start

For iPhone:

step 1: go to APP Store to download

step 2: search Telexper Mobile CMS

step 3: same as the above

Before you start, please make sure to set up port forwarding:

Port Mapping:

Under CMS's **Misc** page, please open TCP PORT LISTEN port 6741.





A member of VisionSoft

Telexper International Inc.

3F.-3, No.2, Jian 8th Rd., Zhonghe Dist.,
New Taipei City 235, Taiwan (R.O.C.)
Tel: 886-2-6620-5898 Fax: 886-2-6620-6909
E-mail: sales@telexper.com
http://www.telexper.com



ISO 9001:2008

Appendix A – Technical Support

If you still have questions about our products, you can contact the dealer you purchased from in your country.

Visit our website for more information.

Website: <http://www.telexper.com>

E-mail : support@telexper.com

Telexper International Inc.

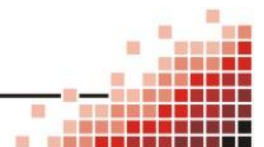
3F-3, No.2, Chien-Pa Road

Chung-Ho City, Taipei, Taiwan 235

R. O. C.

Telephone : 886-2-6620-5898

FAX : 886-2-6620-6909



Appendix B – Warranty Information

Telexper International Inc. (TELEXPER) warrants Gigabit POE Hub, Network Hybrid DVR and Network Commander Station against any defect in material and workmanship, under normal use, for a period of one year from the date of purchase. In the event this product is found to be defective within the warranty period, TELEXPER will, at its option, repair or replace the defective product.

This warranty is void if; a) the product was operated or stored under condition of abnormal use or maintenance; b) if the product is repaired, modified or altered, unless such repair, modification or alternation is expressly authorized in writing by TELEXPER; c) if the product was subject to abuse, neglect, lightning strike, electrical fault, improper packaging, or accident; d) if the product was installed improperly; or e) if the serial number of the product is defaced or missing; f) if the attached warranty card is not presented.

TELEXPER will not, under any circumstances, be liable for direct, special or consequential damage such as, but not limited to, damage or loss of property or equipment, loss of profits or revenues, cost of replacement goods, or expense or inconvenience caused by service interruptions. Under no circumstance will any person be entitled to any sum greater than the purchase price paid for the products.

To obtain warranty service, you should first contact the vendor from whom you purchased your IP-CCTV products. You may be asked to furnish proof of purchase to confirm the products are still under warranty.