PCCW
EasyWatch
Web User Guide

Detailed Version 1.1

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1. Introduction

This document is to describe the user guide of Customer Portal for the PCCW Easy Watch platform.

This User Guide is made for those Subscribers required to access the PCCW EasyWatch system. This document describes the web portal operations and the input requirements for each operation.

2. Login/Logout

2.1. From BizNetvigator Portal

Step 1:

User can log in to the PCCW BizNetvigator by visiting the link:
http://www.biz.netvigator.com/

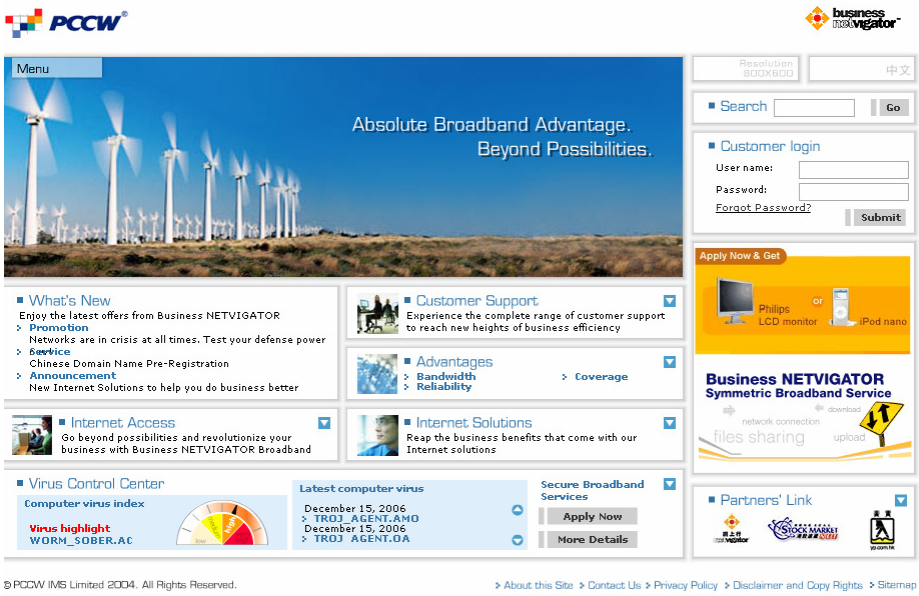


Figure 1 Login Page

To Login, user should enter valid Netvigator username and password in Customer Login Box.

Step 2:

User can click the button to go to EasyWatch Portal.

2.2. From EasyWatch Home Page

User can also login directly to EasyWatch Home Page by visiting the link:
http://www.pccweasywatch.com

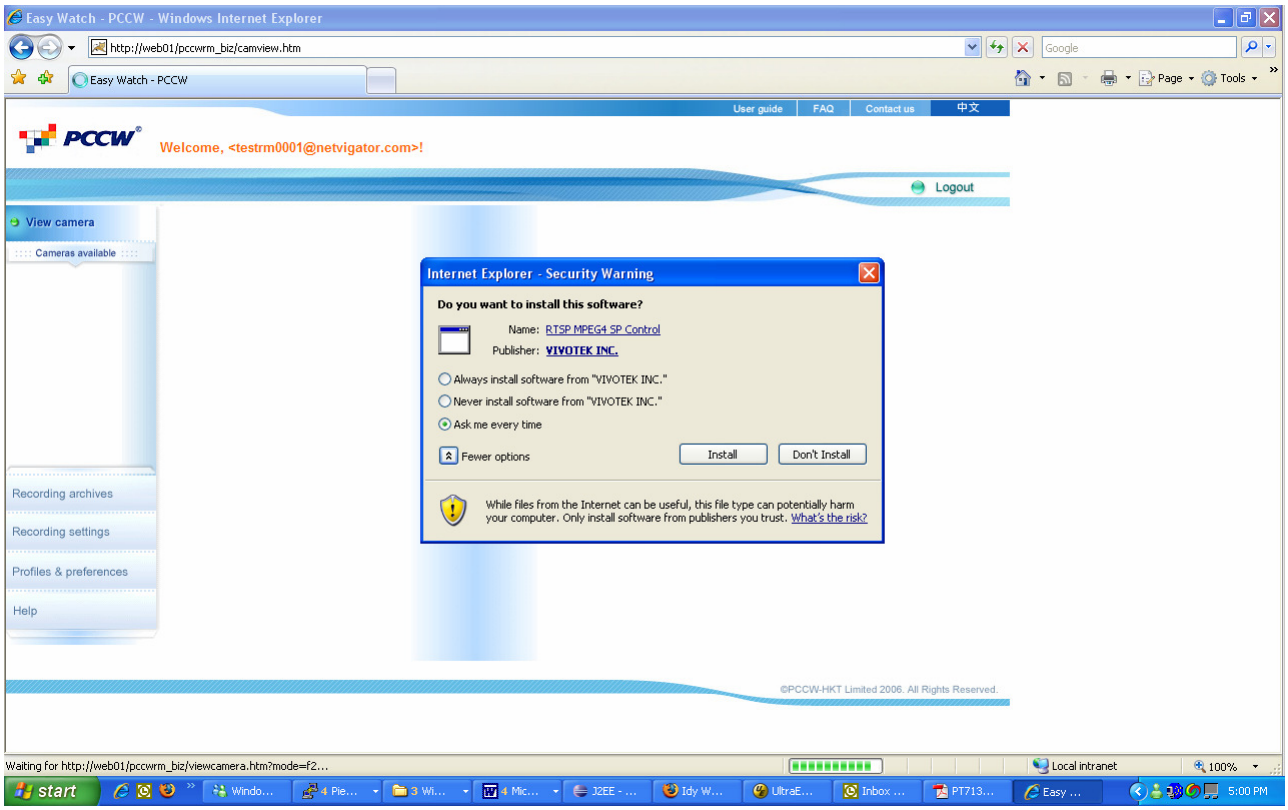
Figure 2 EasyWatch Home Page

For Login, user should select Business EasyWatch and enter valid Netvigator username and password. Click Login to proceed.

The user may login by:

1. Selecting either he/she is a Business EasyWatch user
2. Inputting his/her username and password in the fields provided
3. Hitting the “Login” button

3. Installing Plug-in



For the initial access to the PCCW EasyWatch platform, the web browser may prompt or permission to install a new plug-in for Viewing Camera. Permission request depends on the Internet security settings of the user's PC or notebook. If the highest security level is set, the computer may prohibit any installation and execution attempt.

The plug-in has been registered for certificate and is used to display the video in the browser. Users may click on "Install" to proceed. If the web browser does not allow the user to continue to install, check the Internet security option and lower the security levels or contact your IT or networking supervisor for help.

4. Features for General Users

4.1. View Camera

View Camera page is the first page the user sees after he/she logs in. User able to select and view the camera in View Camera Page.
To View Camera, User may:

1. Select Camera from

The selections within this pull-down will be the names of the cameras associated with the account. Upon selecting a camera, the camera stream should be started. User can switch to another camera by selecting another camera in this pull-down.

2. When Streaming Timeout (60 minutes), user may click

This button is to re-start a stream when the stream has stopped due to time-out.
3. After Viewing, user may click

to end a streaming session.

There are four type of camera view:

- One-Camera View
- Two-Camera View
- Four-Camera View
- Nine-Camera View

4.1.1. 1-Camera View Mode

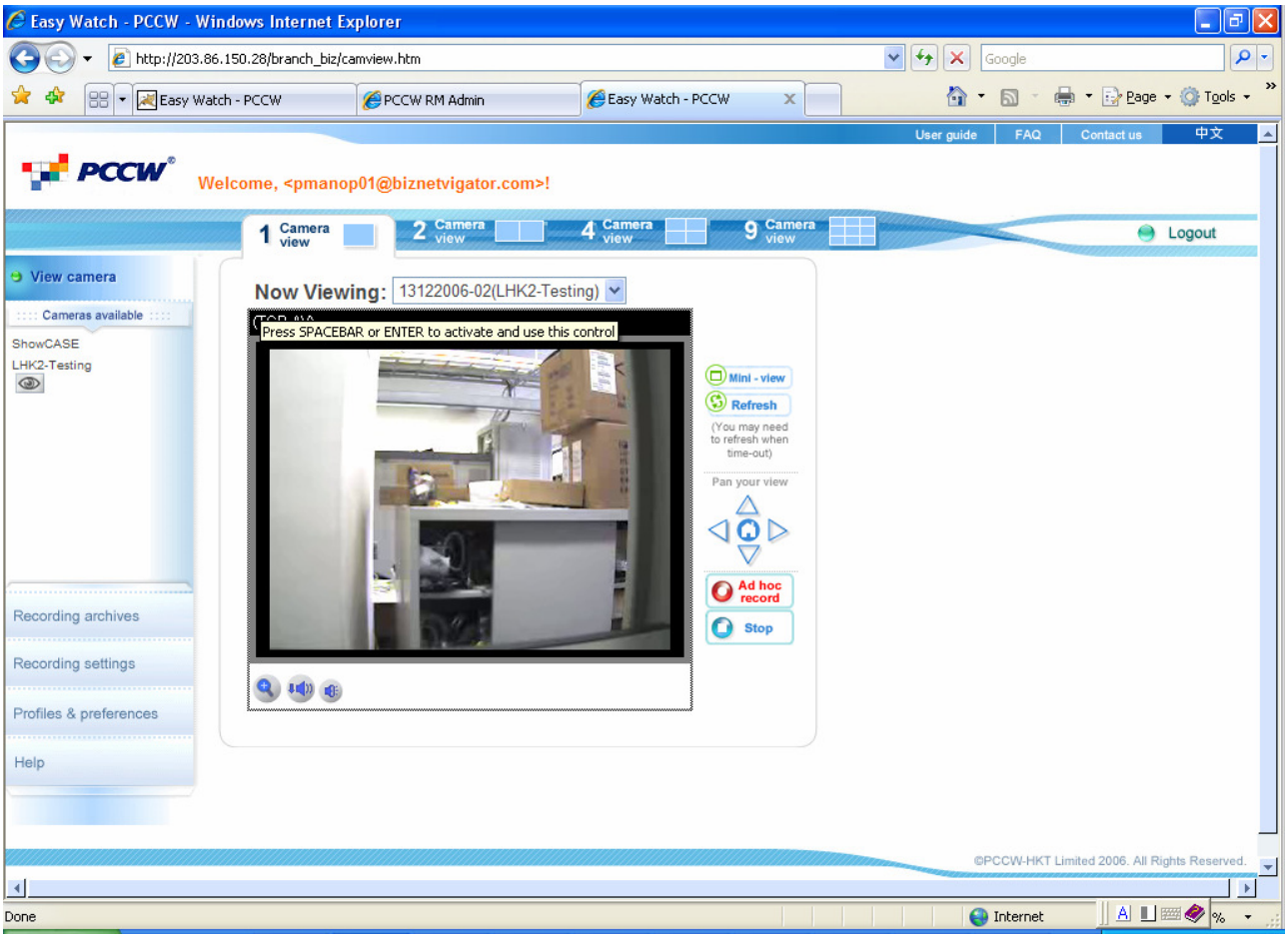


Figure 3 1-Camera View

For 1 Camera View Mode, User may perform below functionality to the camera:

- View Camera
- Refresh
- Pan, Tilt and Zoom
- Ad-hoc Recording
- Stop a streaming

4.1.2. 2-Camera View Mode

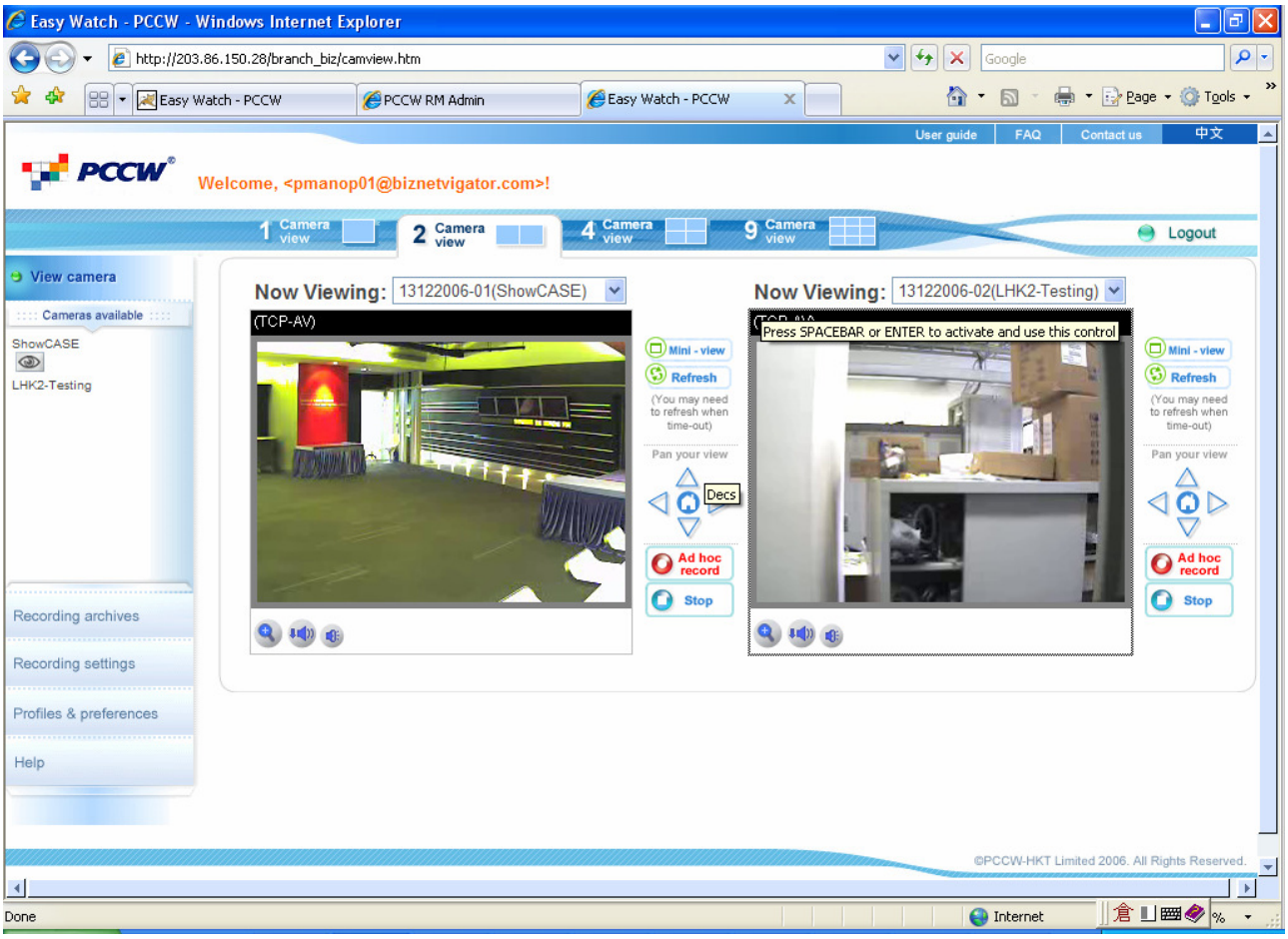


Figure 4 2-Camera View

For 2 Camera View Mode, User may perform below functionality to the camera:

- View Camera
- Refresh
- Pan, Tilt and Zoom
- Ad-hoc Recording
- Stop a streaming

4.1.3. 4-Camera View Mode

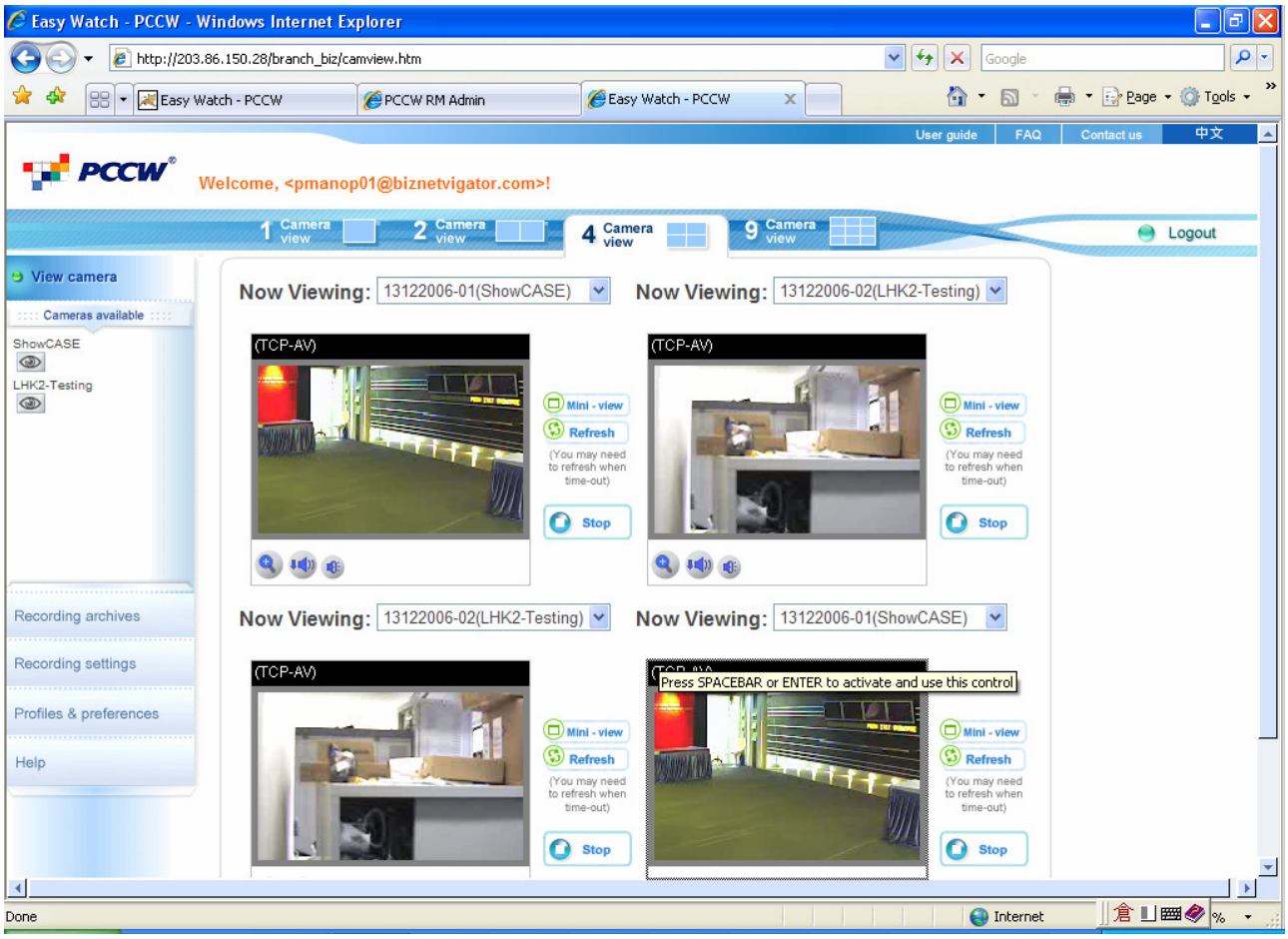


Figure 5 4-Camera View

For 4 Camera View Mode, User may perform below functionality to the camera:

- View Camera
- Refresh
- Stop a streaming

4.1.4. 9-Camera View Mode

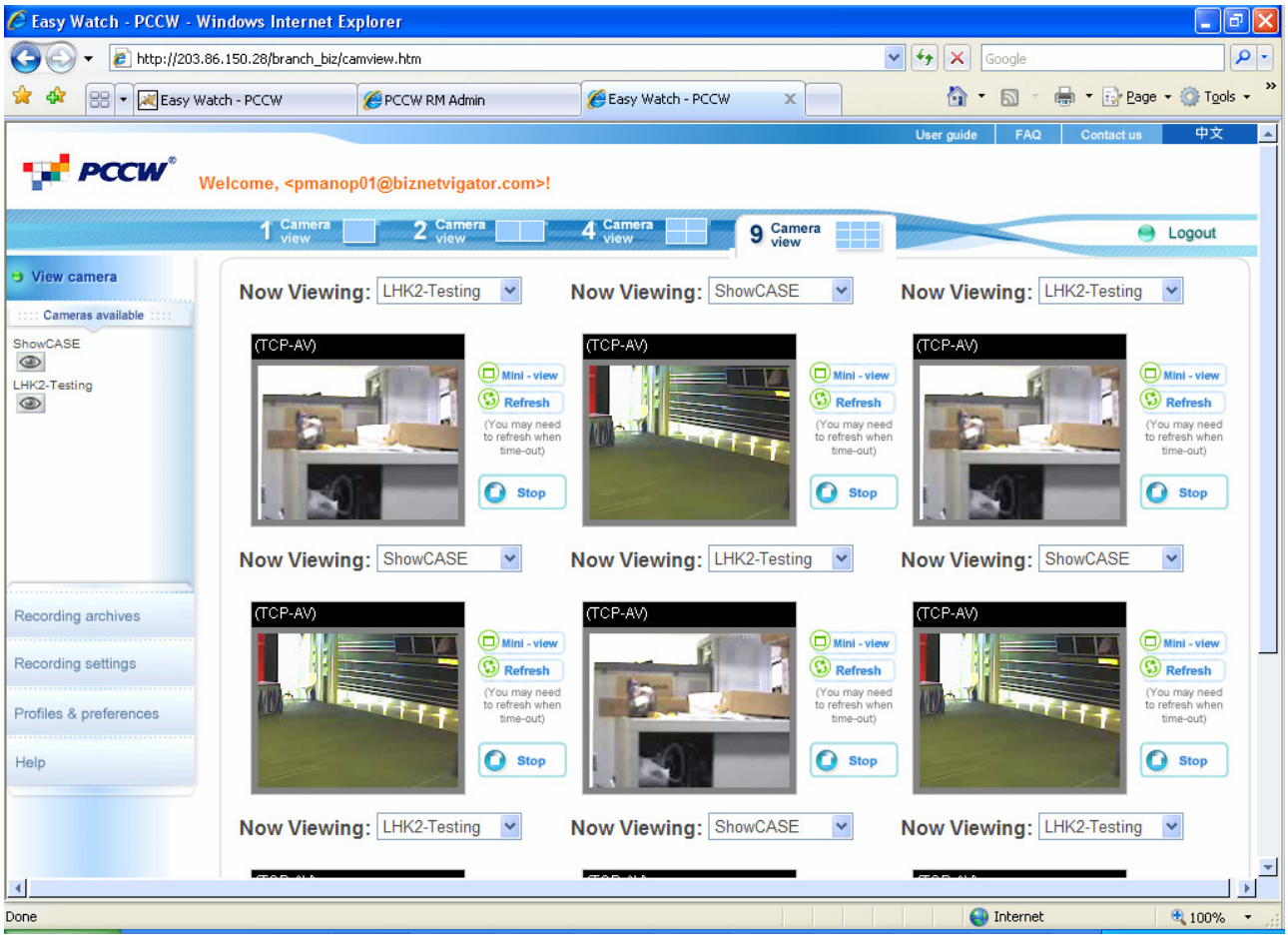
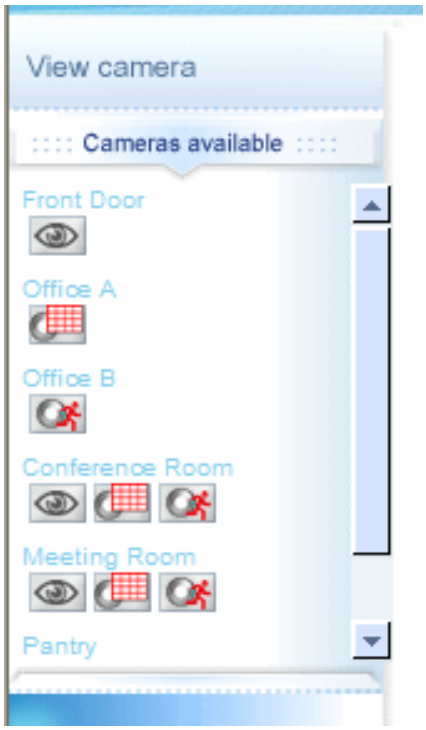


Figure 6 9-Camera View

For 1 Camera View Mode, User may perform below functionality to the camera:

- View Camera
- Refresh
- Stop a streaming

4.1.5. Camera Status



Below the “Camera available” is a table of camera available to user as well as showing the camera status of a camera.

The Camera Table is a list of all cameras that is relevant to the account and shall list the cameras via camera names (as defined by user) or default camera names (as defined by system). With each Camera listing, there would have the following status icon:

- For when Motion Detect triggers recording
- For when Ad-Hoc triggers recording
- For when Continuous recording
- For when Schedule recording
- For when viewing by other user

4.1.6. Pan/Tilt

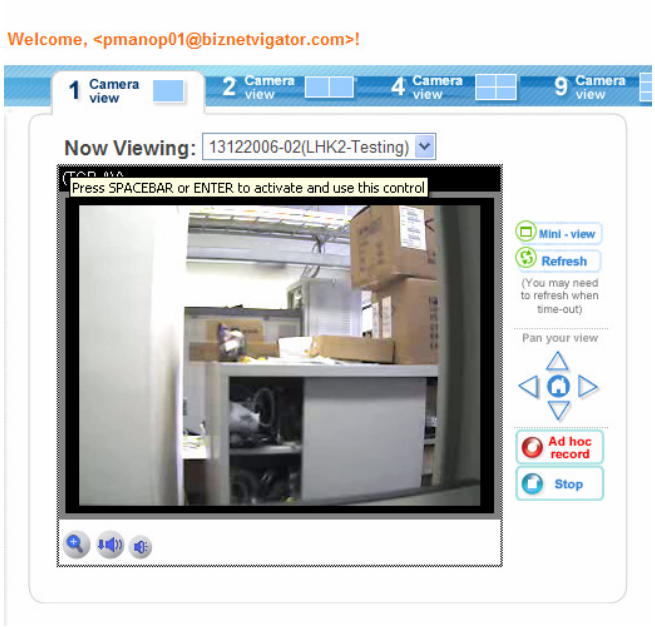


Figure 7 Pan/Tilt Control

If the Selected Camera Support Pan/Tilt, it allows user to navigate the orientation of the camera view. User can navigate:

- Left
- Right
- Up
- Down
- Home

4.1.7. Digital Zoom

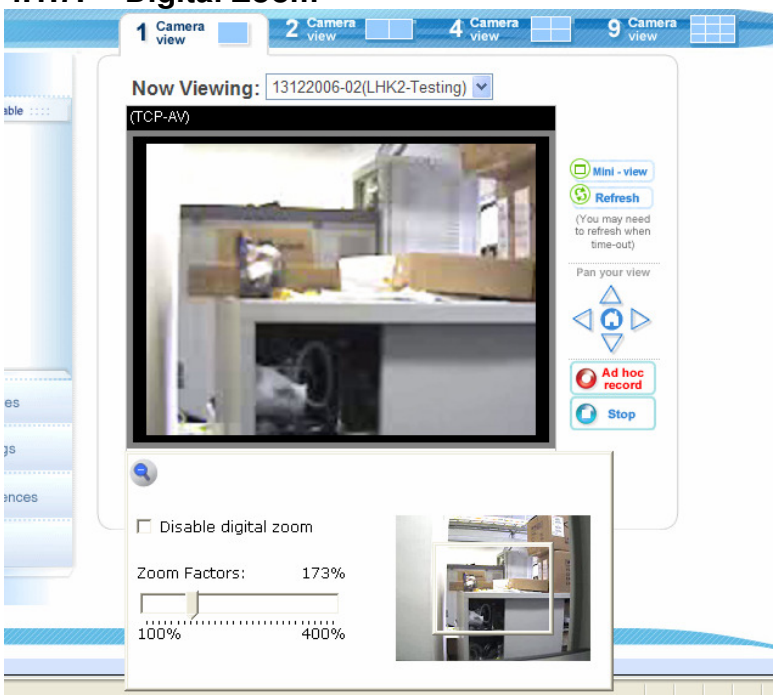


Figure 8 Digital Zoom

This feature allows users to open a digital zoom control window to specify the zoom factor for specified area in the camera view. Users can also move the white frame to select the area of the video that user wants to view.

To perform Digital Zoom, start a Camera Stream by selecting camera.

After clicking the button, the digital Zoom panel is displayed.

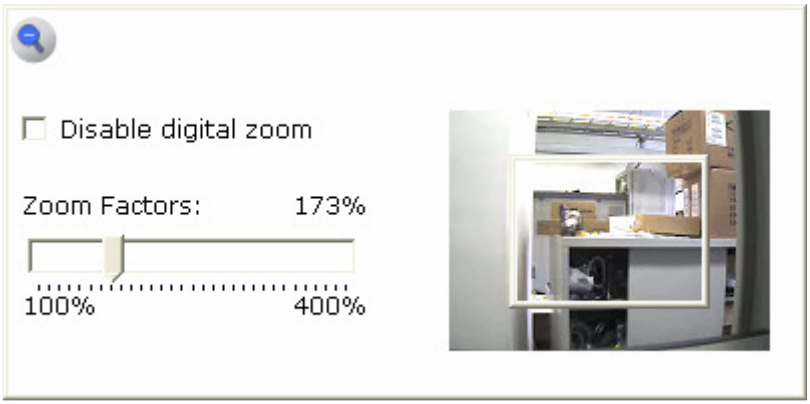


Figure 9 Digital Zoom Panel

Here is some option user can perform on the digital zoom panel:

- **"Disable digital zoom"** The checkbox selection allows users to disable/enable the digital zoom function.
- **"Zoom Factors"** The range of zoom factor is from 100% to 400%, users can select any integer factor inside this area.

- **"Hide"** Click on button can close the digital zoom control window.

4.2. Ad-hoc Recording

Step 1: While viewing a camera, user may click

button to perform ad-hoc recording.

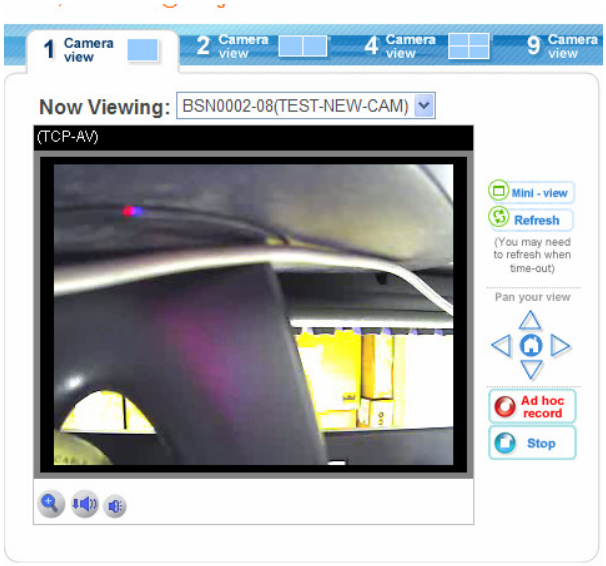


Figure 10 Ad-hoc Recording (Start)

After started ad-hoc recording, the camera status table will display the camera status

correspondingly.

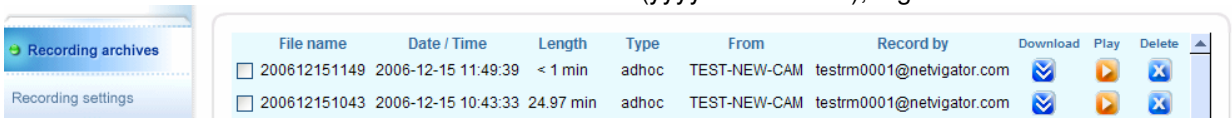
Step 2: While recording, user shall press

button to stop ad-hoc recording.

Figure 11 Ad-hoc Recording (Stop)

Step 3: View/Download the recorded file at Recording Archives Pages after pressed

.
The File names will include date and time information (yyyymmddhhmm), e.g. 200609052300.



Note: If user quit the current page or stop the streaming, it will not stop the ad-hoc recording. However, when the user selects that camera again, the stop button is shown and the ad-hoc recording can be stopped

If user logout or session were terminated, the recording would be aborted.

4.3. Recording Archives

In recording archives, the user may view and search for clips that have been previously recorded by the system.

4.3.1. Show Archive (Show All)

When go the recording Archives pages, it will display all the recording archives by chronological order from latest to earliest.

After the Search or any navigation in Record Archive, user may click

for displaying all recording archives again.

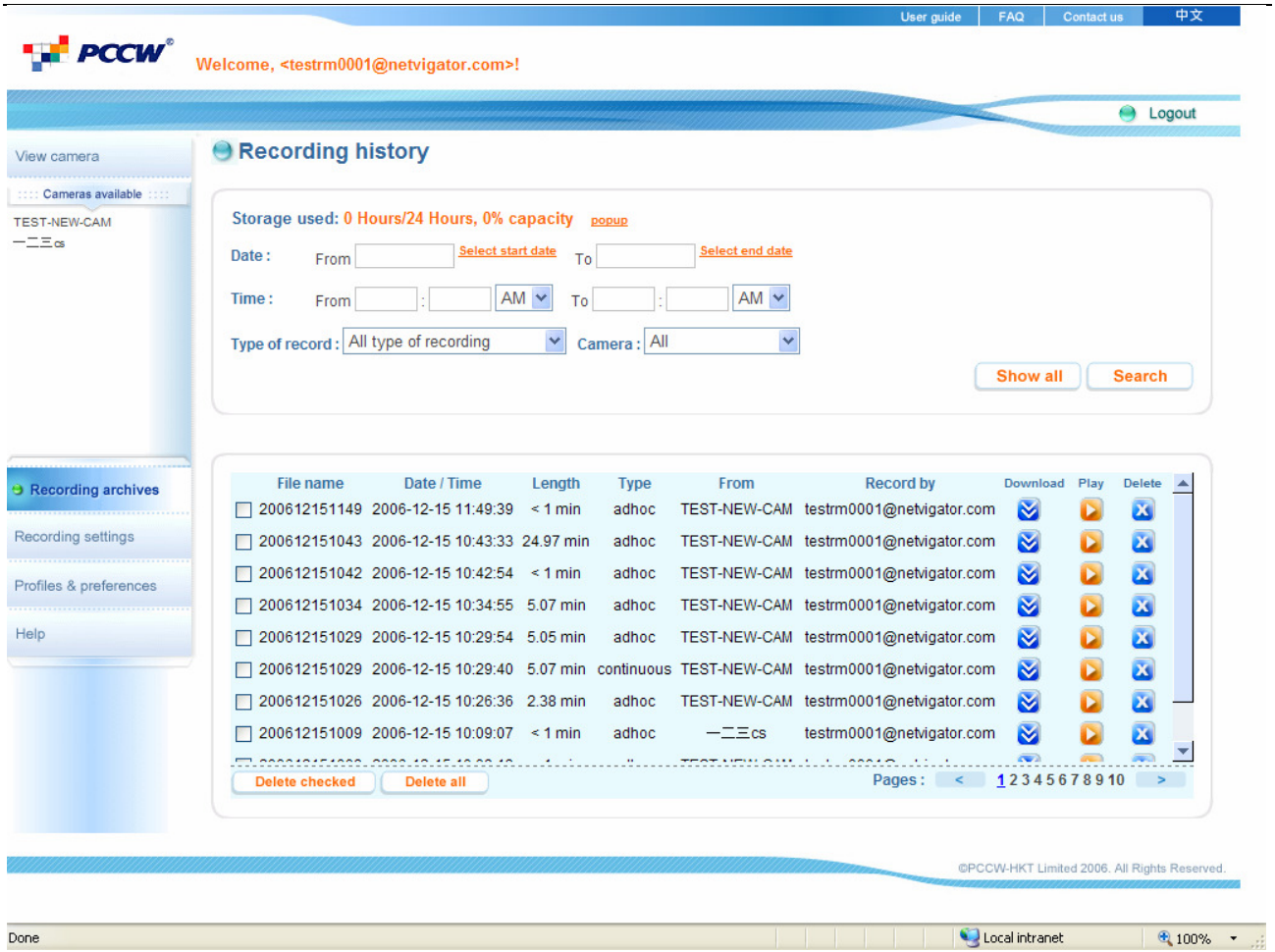


Figure 12 Recording Archives

4.3.2. Search

This function allows user to search recorded files by:

1) Recording type – ad-hoc, motion-trigger, scheduled and continuous.
2) Date/Time range

   Upon selecting a date by “select start date”/”select end date”, the field will display the date in the format - <DD>/<MM>/<YYYY>

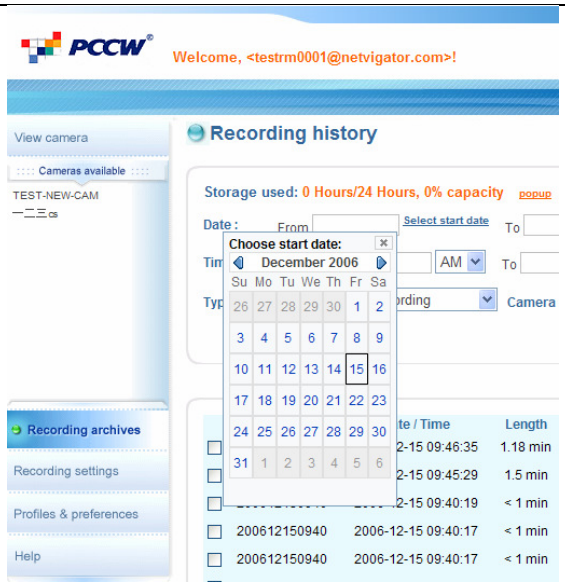
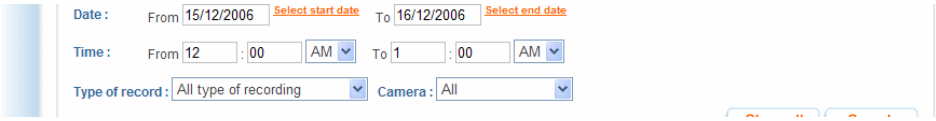


Figure 13 Select Start/End Date

Step 1: Select Start/End Date, Time - There are two input box that allow users to input the “from” and “to” time.



- Hours
- Minutes
- Pull-Down menu with the selections “AM” and “PM”

Step 2: Select Type – This pull-down menu allows for the parameter of recording type in the search. Selections in this pull-down menu includes:

- “All-Types of Recording” (default)
- “Ad-Hoc Recording”
- “Continuous Recording”
- “Schedule Recording”
- “Motion Detect Recording”

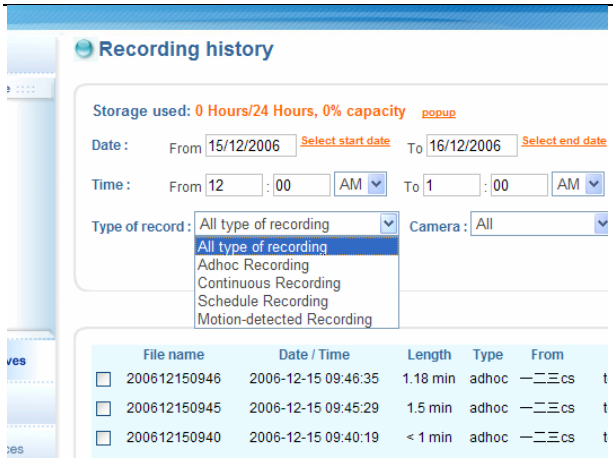


Figure 14 Type Of Recording in Recording Archive Page

Step 3: Select Cameras – This pull-down menu allows selecting which camera the recording is from in the search. Selections in this pull-down menu includes all names of cameras relevant to the account as well as the default selection "All"

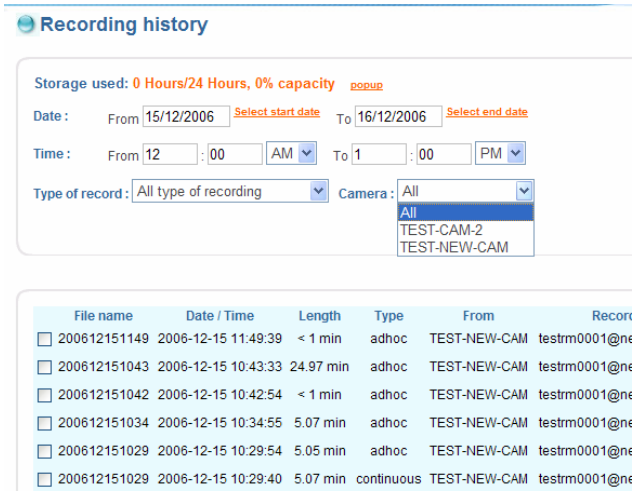


Figure 15 Camera Selections in Recording Archive Page

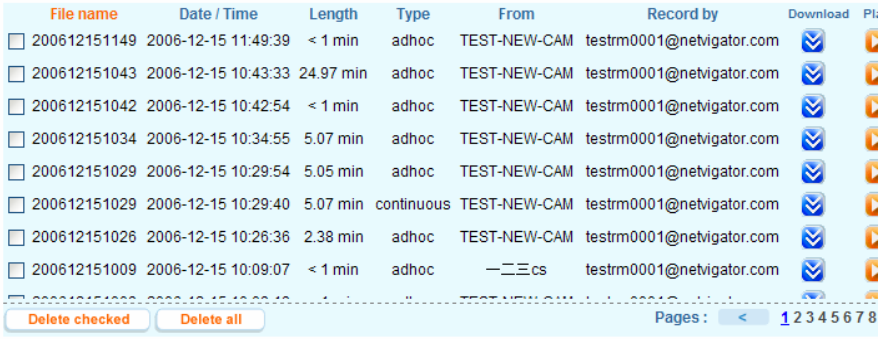
Step 4: Search – Click

to perform search on the inputted criteria

4.3.3. Sorting

After Searching, each of the columns will have headings. The headings are able to click for corresponding sorting. Click once will show result in alphabetical or chronological (as appropriate) order from earliest to latest, while clicking again will result in latest to earliest.

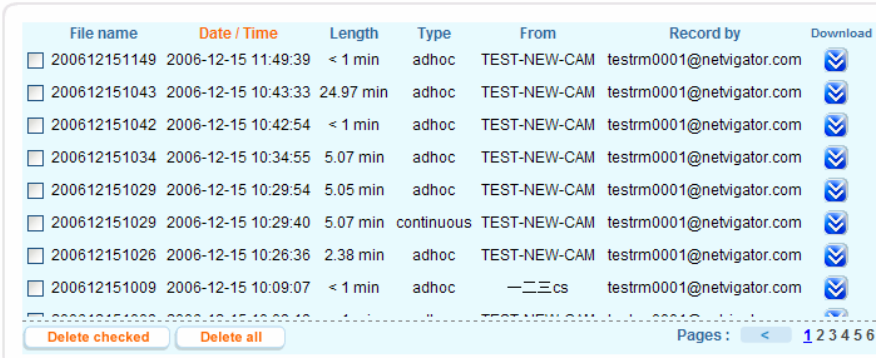
- Sort By Filename:



File name	Date / Time	Length	Type	From	Record by	Download
200612151149	2006-12-15 11:49:39	< 1 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151043	2006-12-15 10:43:33	24.97 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151042	2006-12-15 10:42:54	< 1 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151034	2006-12-15 10:34:55	5.07 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151029	2006-12-15 10:29:54	5.05 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151029	2006-12-15 10:29:40	5.07 min	continuous	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151026	2006-12-15 10:26:36	2.38 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151009	2006-12-15 10:09:07	< 1 min	adhoc	一二三cs	testrm0001@netvigator.com	

Delete checked Delete all Pages : < 1 2 3 4 5 6 7 8

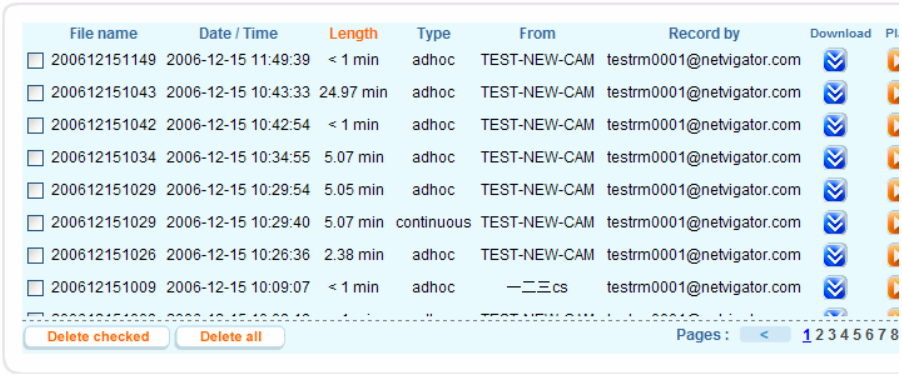
- Date/Time:



File name	Date / Time	Length	Type	From	Record by	Download
200612151149	2006-12-15 11:49:39	< 1 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151043	2006-12-15 10:43:33	24.97 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151042	2006-12-15 10:42:54	< 1 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151034	2006-12-15 10:34:55	5.07 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151029	2006-12-15 10:29:54	5.05 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151029	2006-12-15 10:29:40	5.07 min	continuous	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151026	2006-12-15 10:26:36	2.38 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151009	2006-12-15 10:09:07	< 1 min	adhoc	一二三cs	testrm0001@netvigator.com	

Delete checked Delete all Pages : < 1 2 3 4 5 6

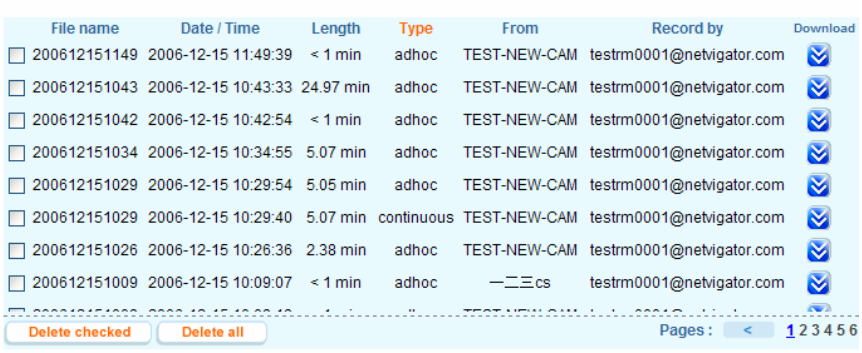
- Length:



File name	Date / Time	Length	Type	From	Record by	Download
200612151149	2006-12-15 11:49:39	< 1 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151043	2006-12-15 10:43:33	24.97 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151042	2006-12-15 10:42:54	< 1 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151034	2006-12-15 10:34:55	5.07 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151029	2006-12-15 10:29:54	5.05 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151029	2006-12-15 10:29:40	5.07 min	continuous	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151026	2006-12-15 10:26:36	2.38 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151009	2006-12-15 10:09:07	< 1 min	adhoc	一二三cs	testrm0001@netvigator.com	

Delete checked Delete all Pages : < 1 2 3 4 5 6 7 8

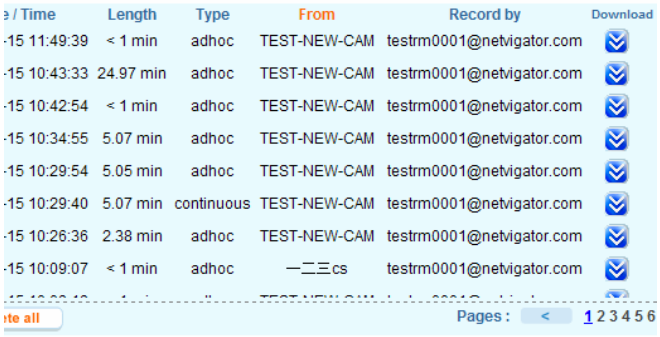
- Type:



File name	Date / Time	Length	Type	From	Record by	Download
200612151149	2006-12-15 11:49:39	< 1 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151043	2006-12-15 10:43:33	24.97 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151042	2006-12-15 10:42:54	< 1 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151034	2006-12-15 10:34:55	5.07 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151029	2006-12-15 10:29:54	5.05 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151029	2006-12-15 10:29:40	5.07 min	continuous	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151026	2006-12-15 10:26:36	2.38 min	adhoc	TEST-NEW-CAM	testrm0001@netvigator.com	
200612151009	2006-12-15 10:09:07	< 1 min	adhoc	一二三cs	testrm0001@netvigator.com	

Delete checked Delete all Pages : < 1 2 3 4 5 6

- From:



- Record By:

4.3.4. Download

User may download the file in recording Archive Page.

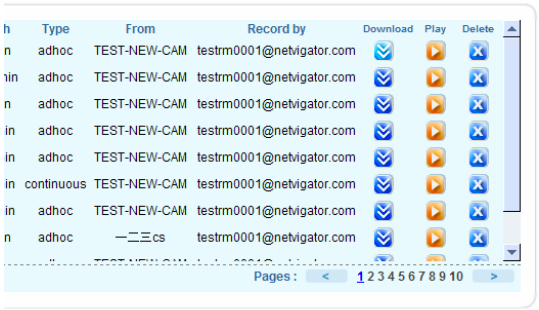


Figure 16 Download Archive

After click the button, browser will prompt user to download that archive. Downloaded format would be: 3GP, MPEG4 320X240, AMR Narrowband Mono, 8KHz

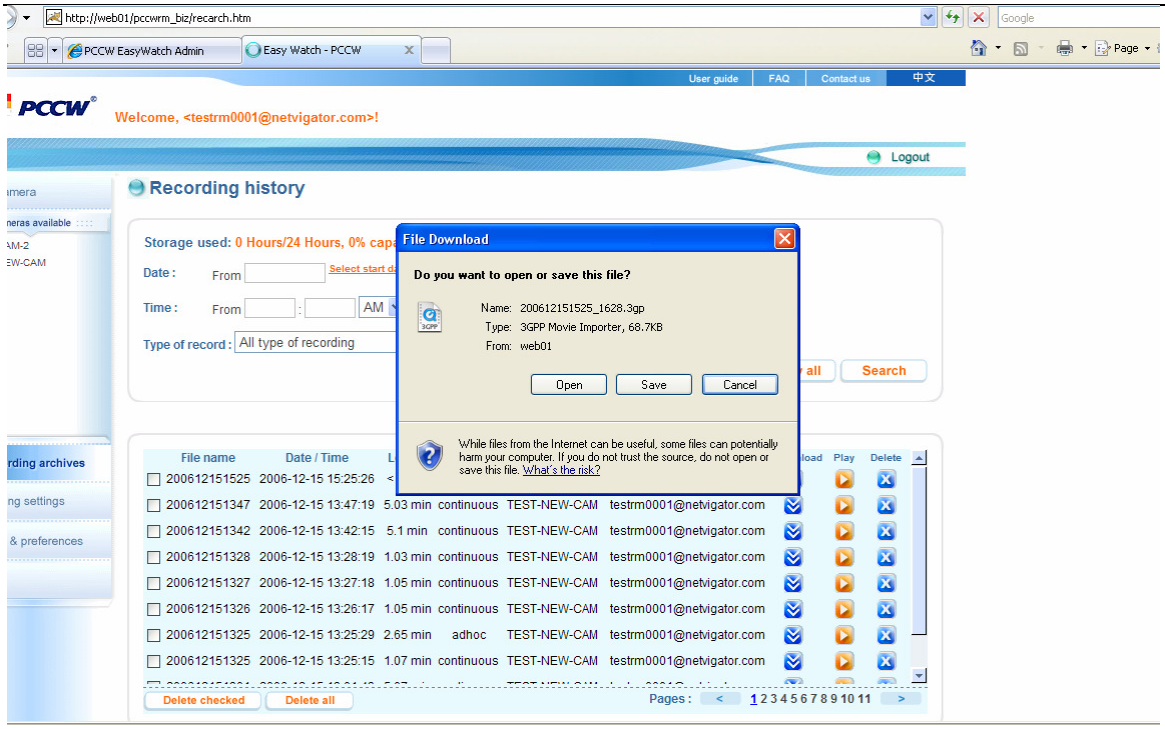


Figure 17 Prompt to Download file

After Downloaded file, user can play the file by QuickTime® Player, Real Player® or 3GP compatible Player.

Figure 18 QuickTime® player

4.3.5. Play

User may play the file directly by the build-in Player.

User can click the button. After that a pop-up window will be displayed which will call up the QuickTime player to play the file.

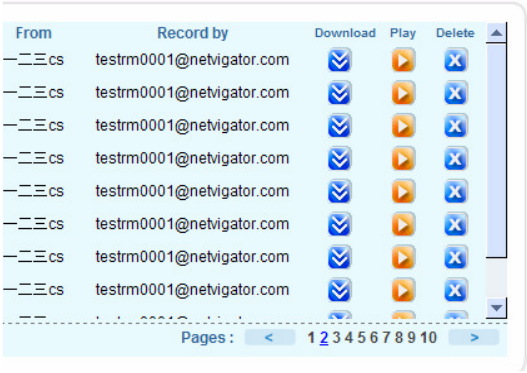


Figure 19 Play Archive

Figure 20 the Archive played in Pop-up Window

4.3.6. Delete

User may delete the file permanently from EasyWatch Platform.
There are 3 methods to delete file(s).

1. Delete one by one
2. Delete All in this page
3. Delete All checked

5.1.3.1. Delete One By One

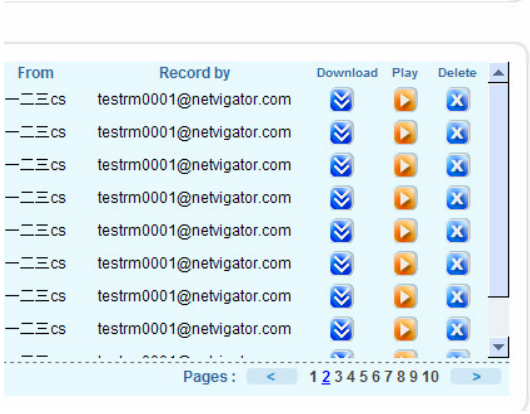


Figure 21 Delete Archive

User can delete single file by clicking .
User will be prompted to confirm delete archive.

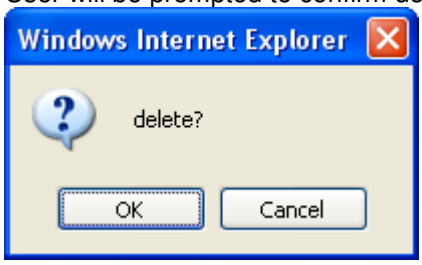


Figure 22 Prompt to delete archive

5.1.3.2. Delete All in This Page

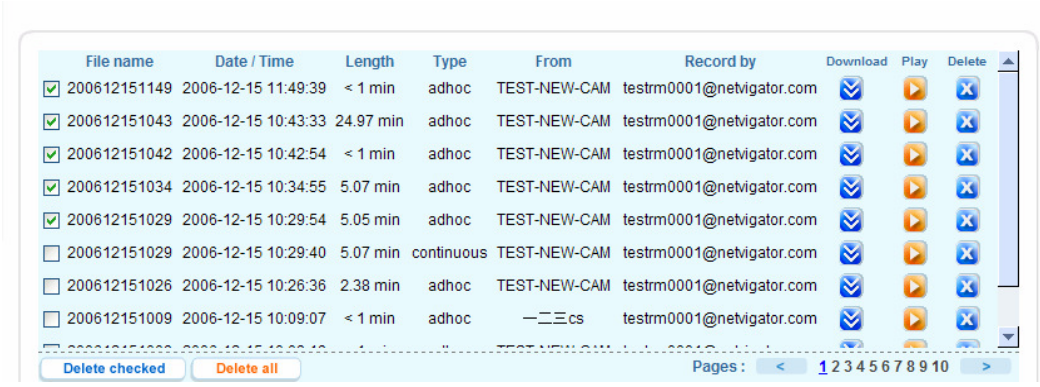


Figure 23 Delete all Archive

User can delete all the archive in current page by clicking .
Use will be prompted to confirm delete all archive.

Figure 24 prompt to delete all archive

Figure 25 Delete All Archive

5.1.3.3. Delete All Checked

Figure 26 Delete Checked

User can delete checked archive by clicking

.
User will be prompted to confirm delete.

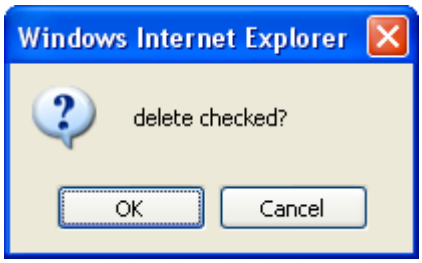


Figure 27 prompt to delete checked

4.4. Register Mobiles

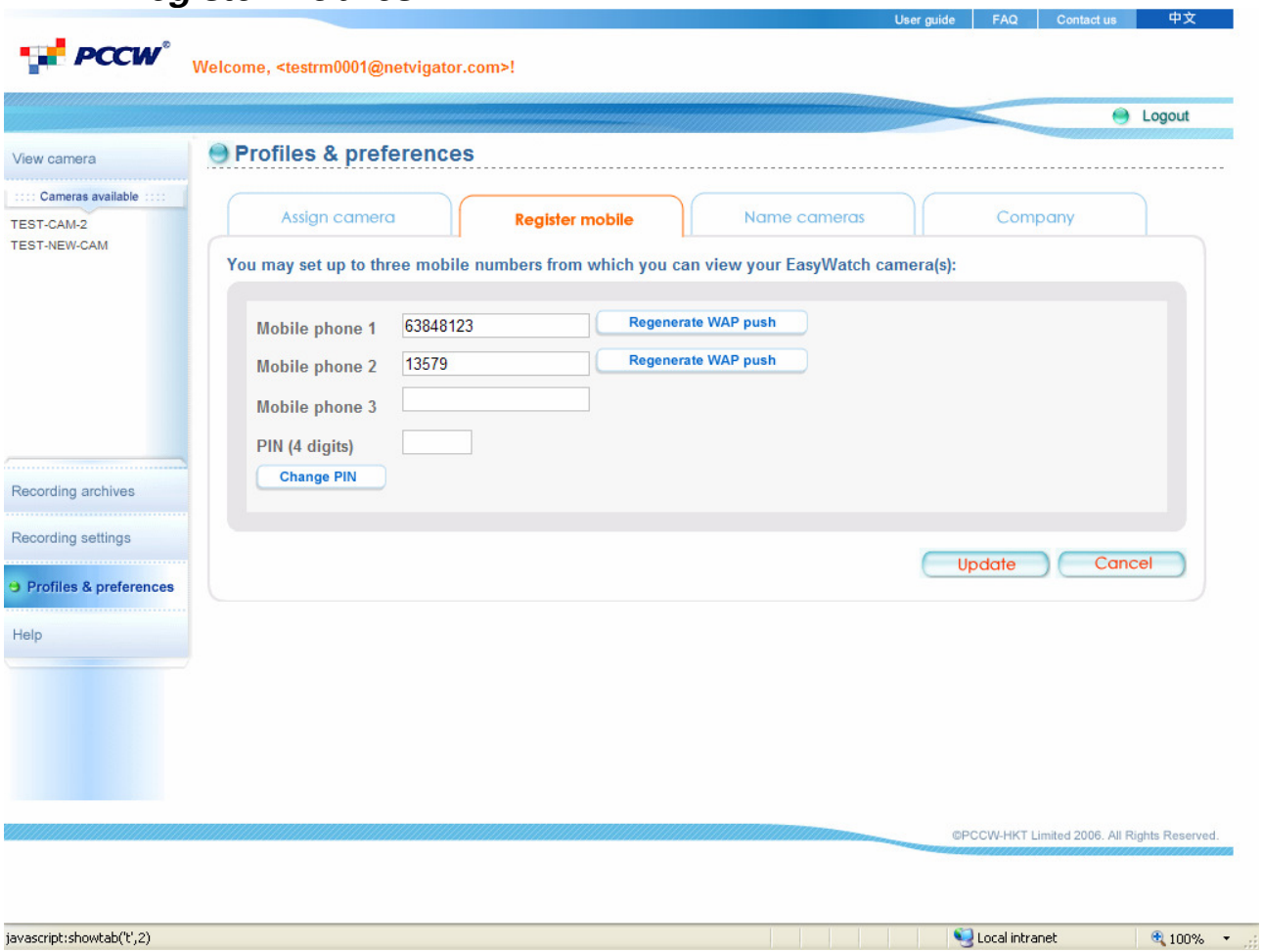


Figure 28 Register Mobile

For each user account, user may assign Up to 3 mobile numbers that are associated with it.
A 4-digit PIN shall be defined for all 3 mobile numbers registered. This PIN applies to all the mobile phones access through WAP and 3G video calls. For 3G access the user can make a video call to the below number:-

6622 2000

After modifying the mobile numbers, a WAP push message is sent out.
If user lost the WAP link, user can generate the WAP push again in the portal.

An example of the WAP link format:

http://pccweasywatch.imsbiz.com/biz/wap?m=XXXXXXXX

4.4.1. Enter Mobile Number

For each user account, user may assign Up to 3 mobile numbers that are associated with it.

1) When mobile phone is added, a WAP push message is sent to the phone that contains a WAP URL-link that directs the user to the WAP login page of EasyWatch platform, together with the Mobile Number entered.
2) While adding the mobile number, if the same mobile phone is also assigned to another user account (regardless whether it is the same FSA customer account or not), an alert will be shown

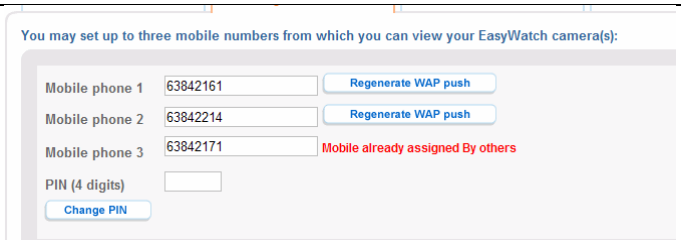


Figure 29 Mobile Already Assigned By others

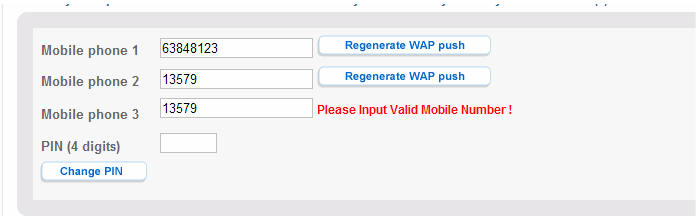


Figure 30 Invalid Mobile Numbers

Mobile Number Entered	Message
Not started by 6 or 9	**Please Enter Valid Mobile Number!**
Entered the same Mobile	**Cannot Enter Same Mobile Number!**
Mobile assigned before	**Mobile Already assigned by Other!**
Enter wrong PIN	Register Fail, Invalid PIN!

Table 1 Error Table for Register Table

4.4.2. Generate WAP Push Message

If user lost the WAP link, user can generate the WAP push again in the portal by clicking Regenerate WAP push button.

A Message will be displayed if the WAP Push is successfully generated.

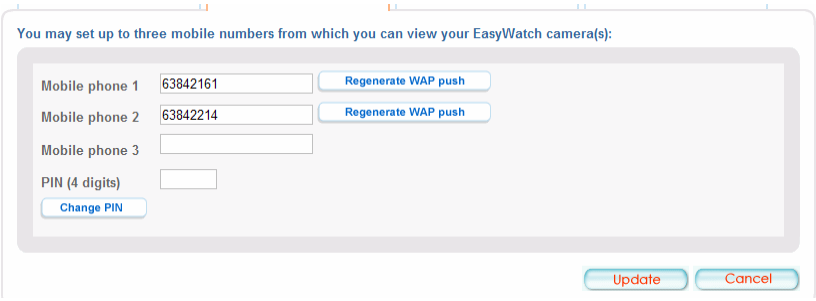


Figure 31 generate WAP Push

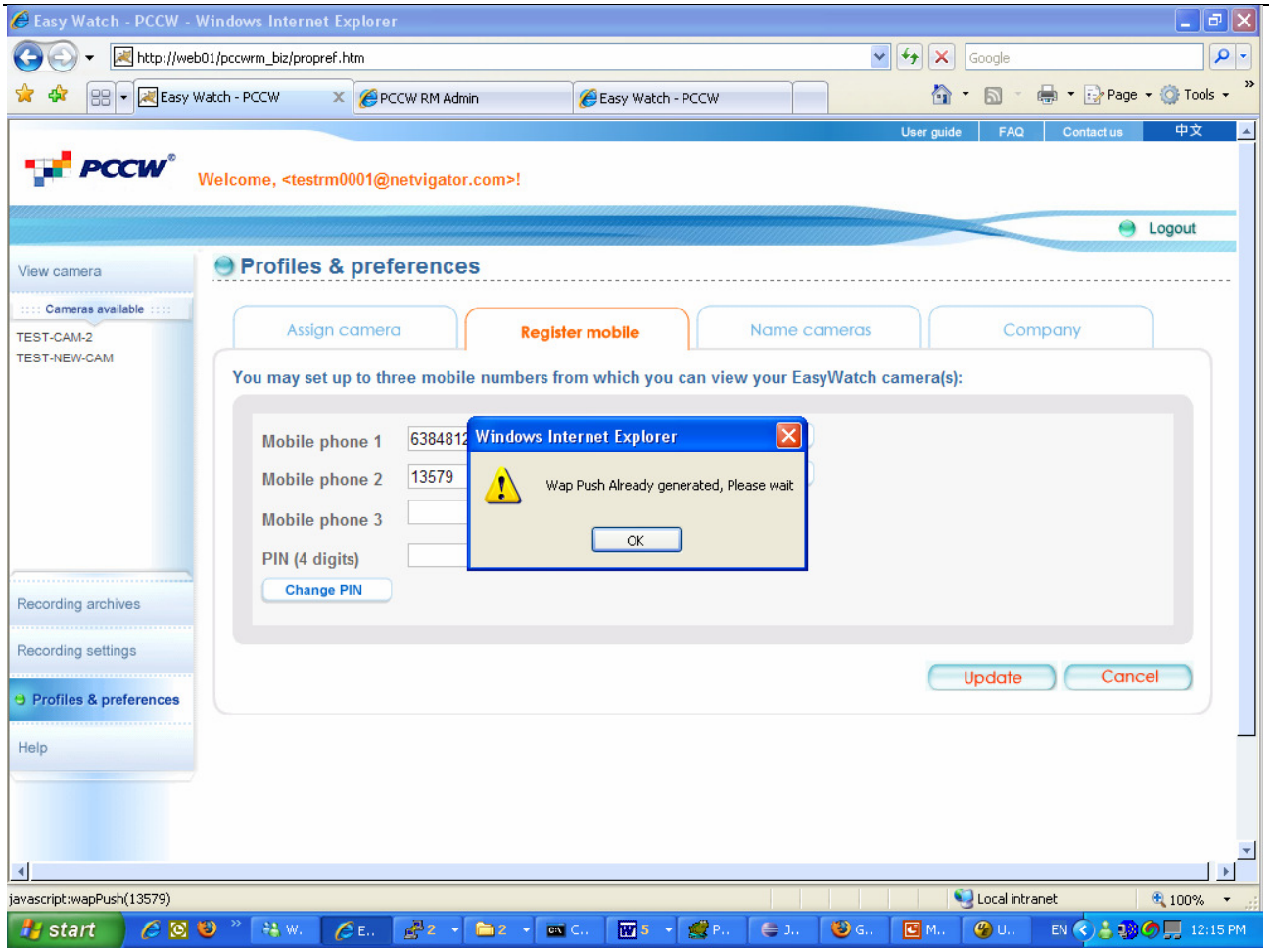


Figure 32 Messages for Confirming the WAP Push

Mobile Number Entered	Message
WAP Push Generated	WAP Push Already Generated, Please Wait
WAP Push Fail	Cannot Generate WAP Push. Please Contact PCCW for Support

Table 2 WAP Push Generation

4.4.3. Change PIN

A 4-digit PIN shall be defined for all 3 mobile numbers registered. This PIN applies to all the mobile phones access through WAP and 3G video calls.
By default, the PIN is 0000.

To Change PIN, you can click

.

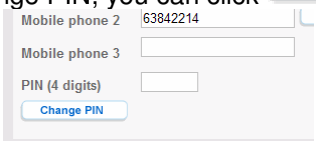


Figure 33 Changes PIN

The Page will redirect to a page that that allow user to enter PIN.

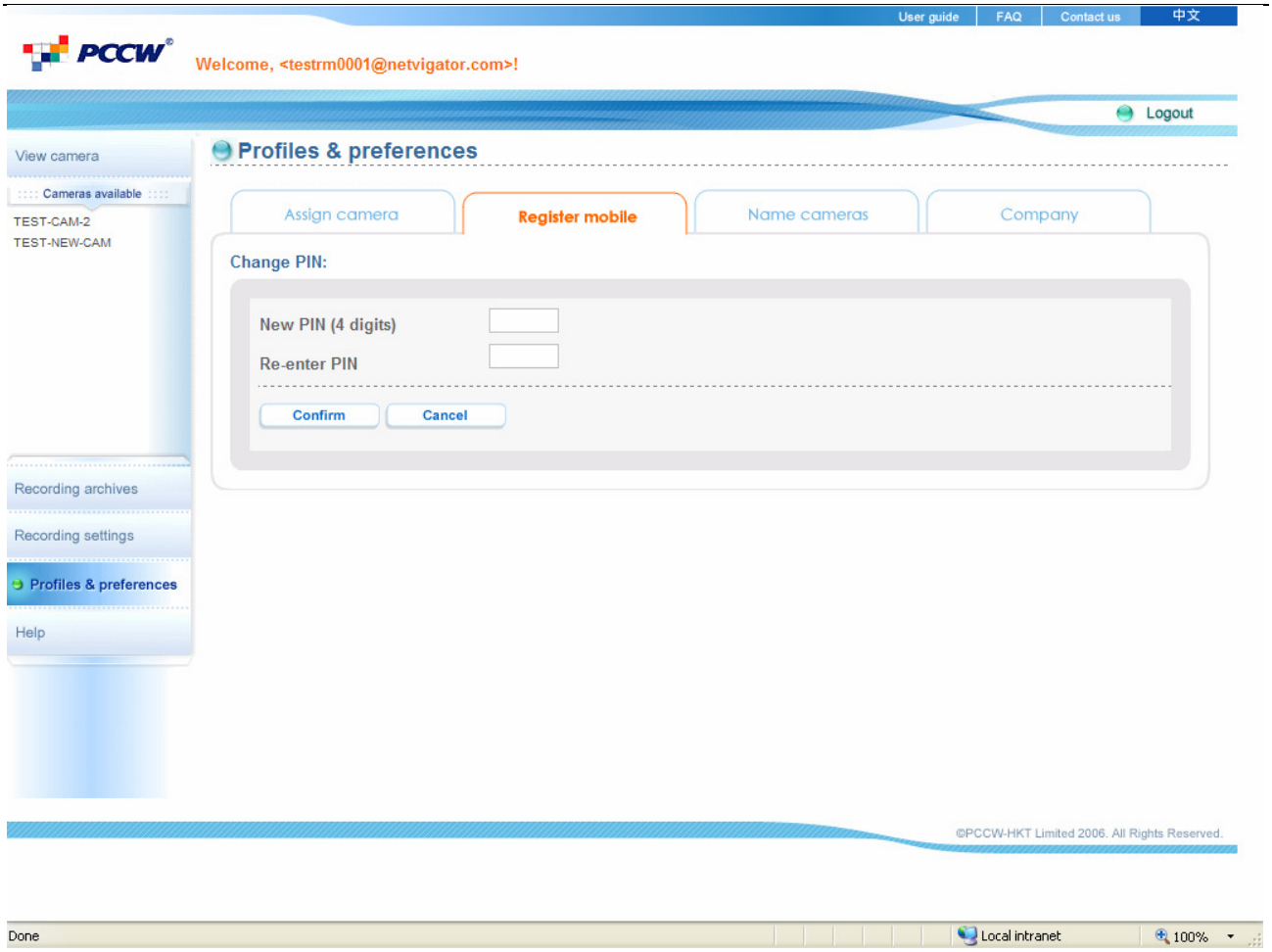


Figure 34 Change PIN Page

However if user enters wrong retype PIN, an Error message will be prompted.

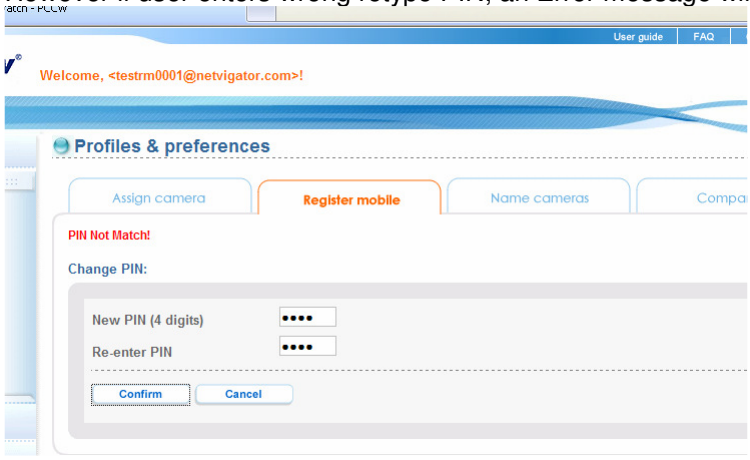


Figure 35 PIN Not Match

Cases	Message
Input PIN didn't match	**PIN Not match!**
PIN entered correctly	**Your PIN has been successfully updated.**

Table 3 PIN Changes

5. Features for Administrator Users

In addition to the functionalities for general users, the following functionalities are available for admin users:

5.1. Recording Setting

5.1.1. Alert and Preference

Admin User able to configure Alert Preference for all administrable cameras.
User may:

1. Select Recording Snippets
2. Select the preference of alert when Storage Runout and Motion Detected.
3. Mobile Number and Email where EasyWatch Platform sends alert to.

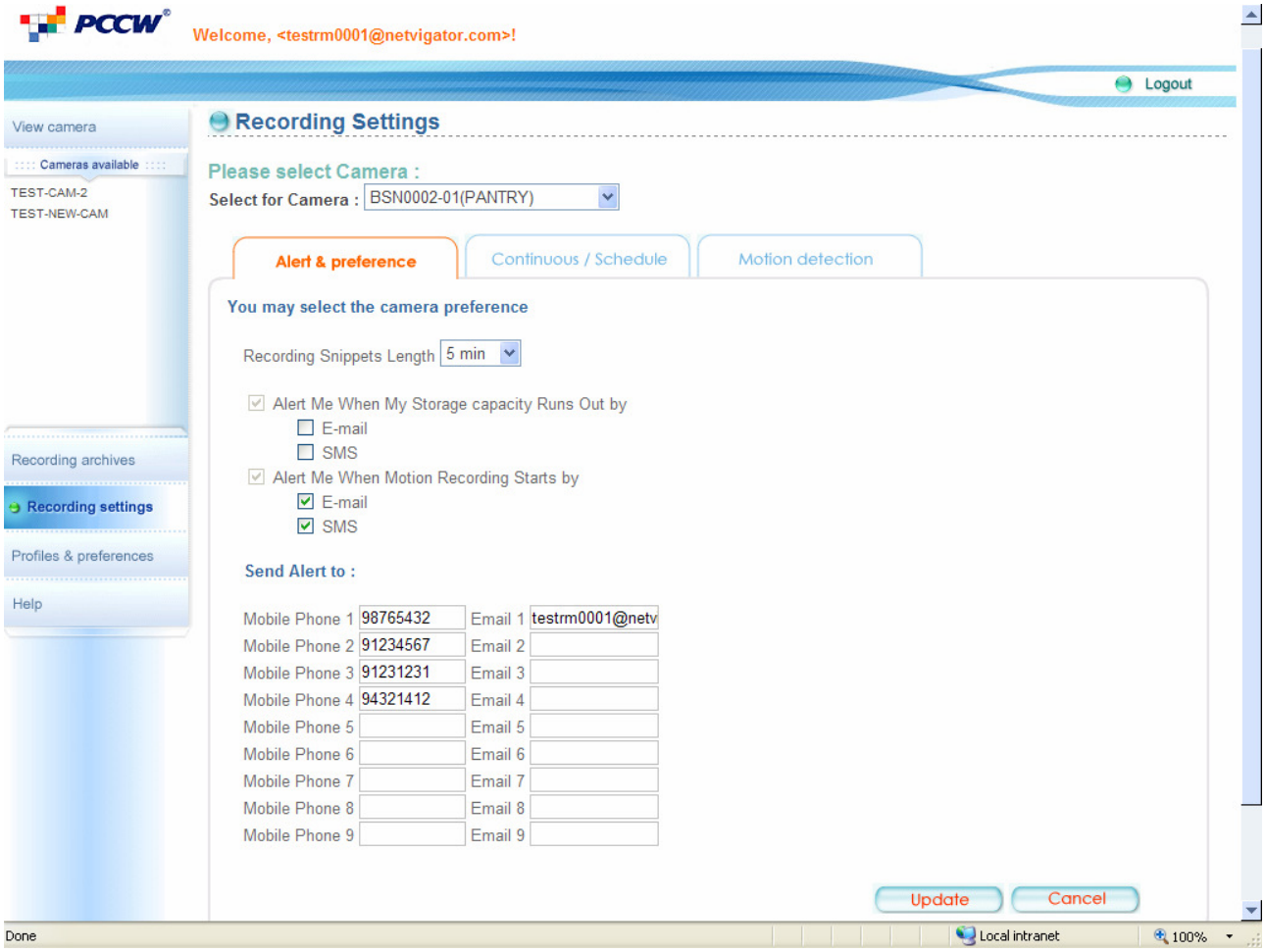


Figure 36 Recording Setting

Recording Snippets Length 5 min : User may select the recording duration per file for Motion Detected Recording, Continuous Record and Scheduled Recording. User may select 5 minutes, 10 minutes and 15 minutes options.

: User may select what type of alert to be received. Email/SMS can be selected as the alert.
For two alert, you need to input appropriate Mobile / Email in “Send Alert to”, otherwise no Alert will be received.

5.1.2. Schedule/Continuous Recording

Admin User can define a time & duration for system to do automatic recording of a camera as well as continuous automatic recording.

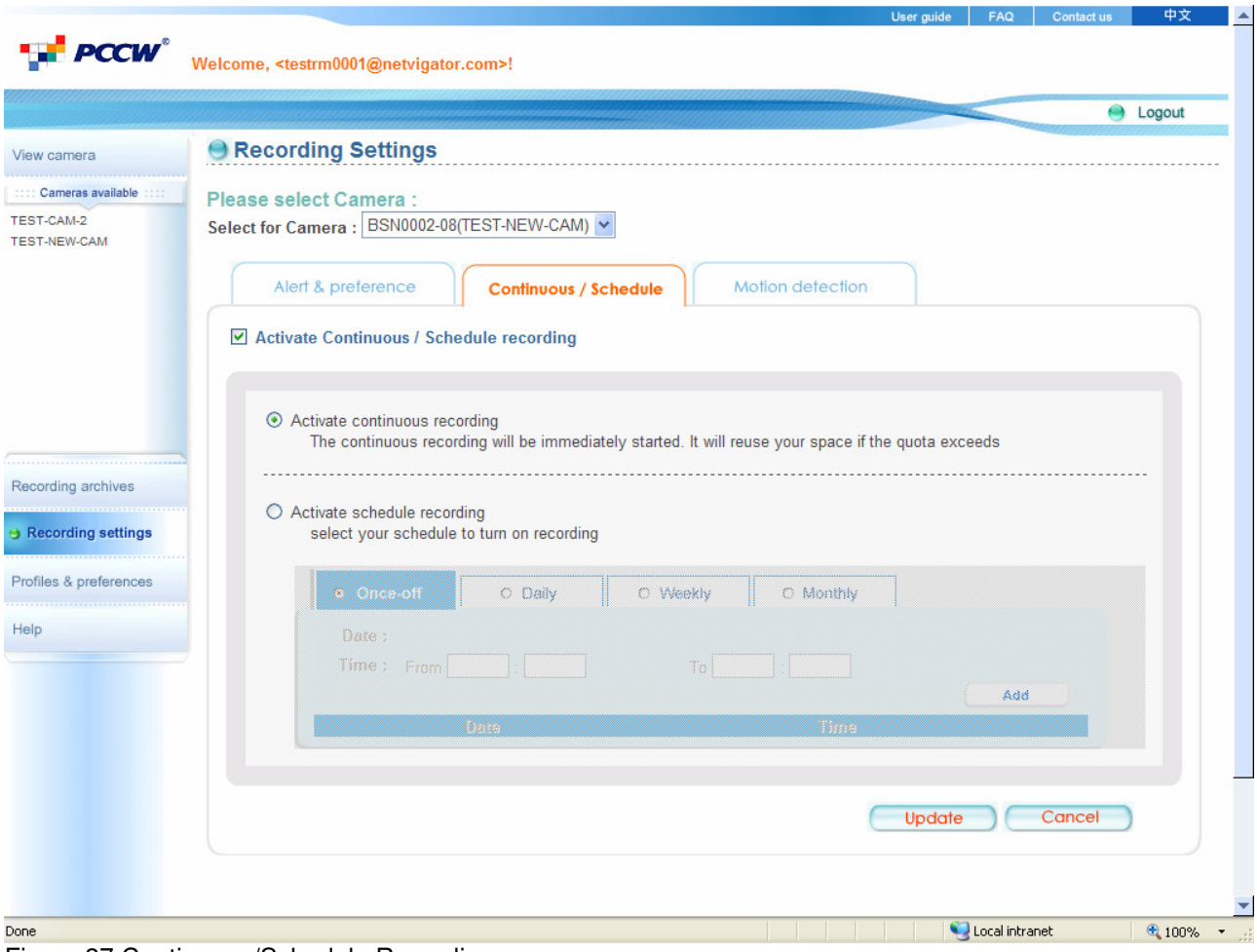


Figure 37 Continuous/Schedule Recording

When a scheduled recording happens, the EasyWatch system will establish a connection to IP-cam and record the video/audio stream.

Each schedule is defined as follows:

- Date
- Start time
- End time
- Occurrence
    i. Once

ii. Daily
iii. Weekly
iv. Monthly

- Note that a recording is triggered at the 'start-time' of an interval. If there are conflicts in the schedules, the system will start recording at the first 'hit' till its schedule finishes. During this period, if there are other schedules that start, they will not trigger any other recording. Only when this schedule finishes, the next schedule's start-time will trigger the next recording.

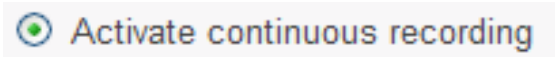
Scheduled recording clips are stored permanently in the system until users manually delete them.

Alternatively, User can choose to turn on continuous recording. Once turn on, the Camera stream will be continuously recorded even if the user has logout EasyWatch Platform.
Note that when recording quota is exceeded, the oldest clip will be deleted automatically and the recording will be end only user deactivated it.

5.1.3.4. Continuous Recording

To Activate Continuous Recording, User need to:

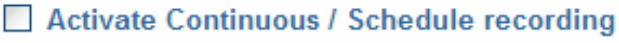
1. Tick

2. Select 

3. Click

5.1.3.5. Deactivate Schedule/Continuous Recording

To Deactivate Schedule/Continuous Recording, User need to:

1. Un-Tick 

2. Click

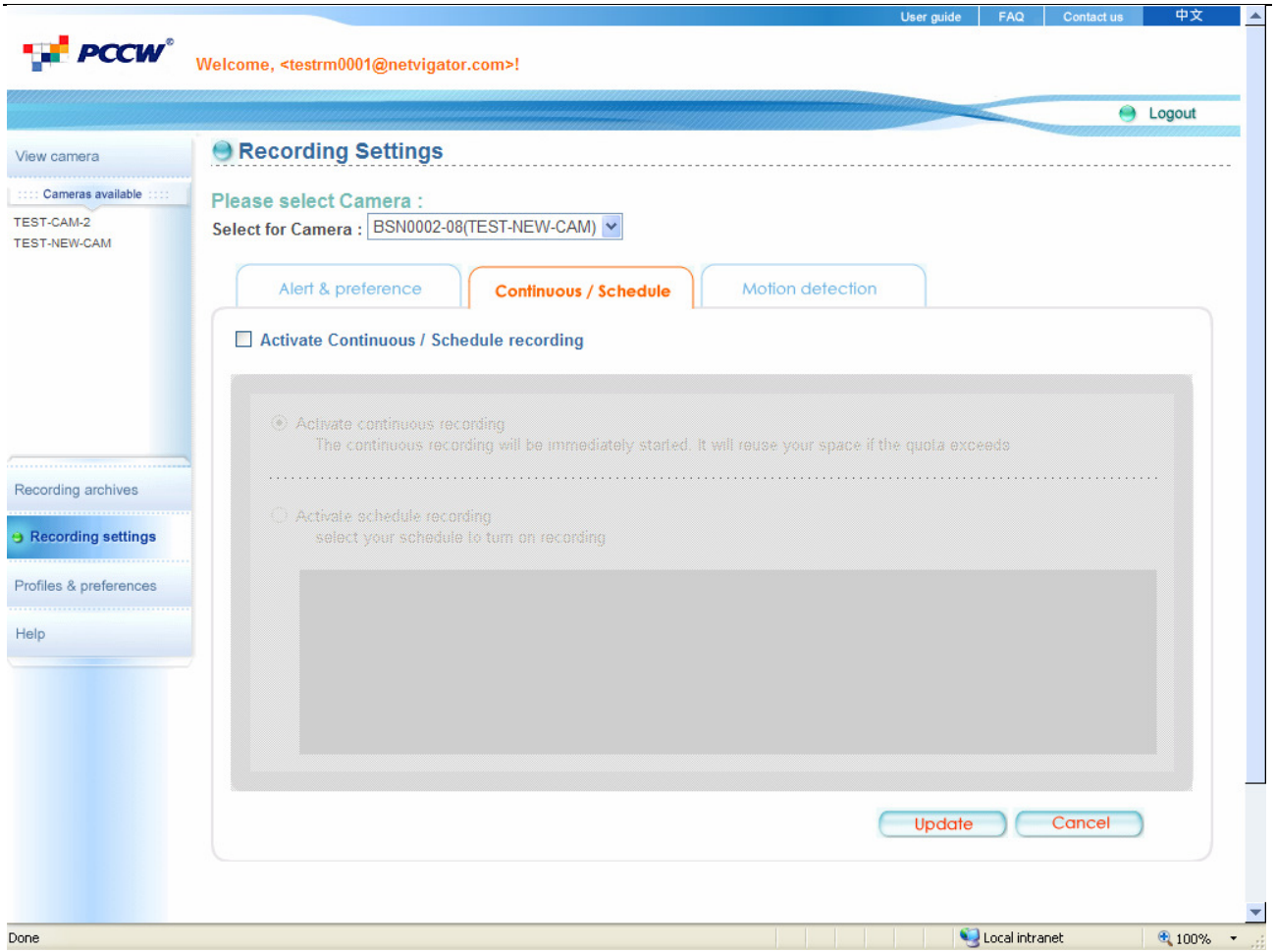


Figure 38 Deactivated Continuous/Schedule Recording

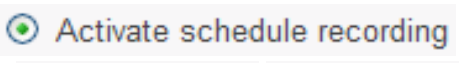
When Continuous/Schedule Recording starts, The Camera Status will be updated and show corresponding icons:

Figure 39 Continuous/Schedule Recording In Progress

5.1.3.6. Schedule Recording

To Activate Schedule Recording, User need to:

1. Tick

2. Select 

3. Choose

4. Add Schedule
5. Click

5.1.3.7. Add Once-Off Schedule

To Add Once-Off Schedule, User need to:

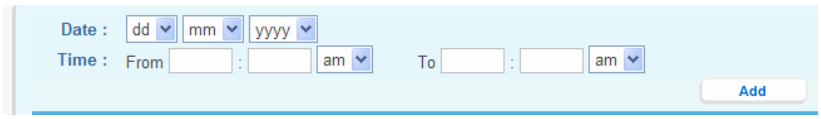
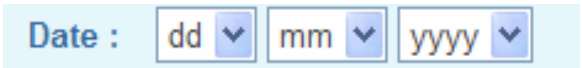


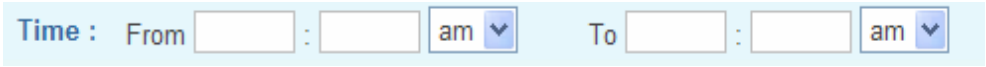
Figure 40 Add Once-Off Schedule

1. Select

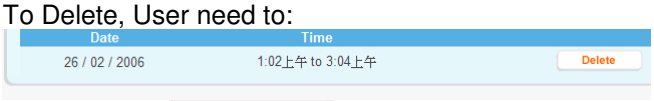
2. Select Date



3. Select Time



To Delete, User need to:



1. Click

button

After that user will be prompted to delete schedule

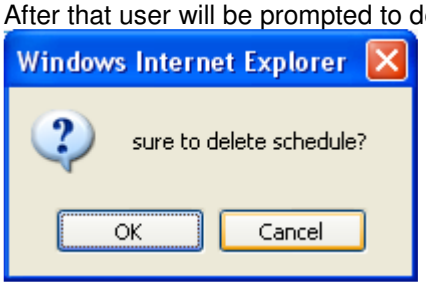


Figure 41 prompted to delete Schedule

2. Click OK in prompt

5.1.3.8. Add Daily Schedule

To Add Daily Schedule, User need to:

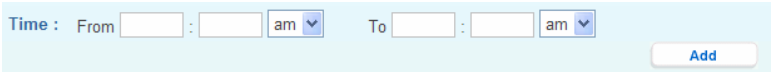
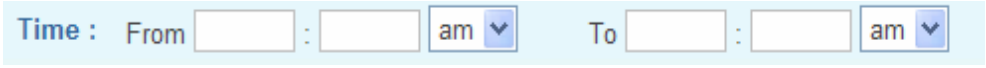


Figure 42 Add Daily Schedules

1. Select

2. Select Time



To Delete, User need to:

3. Click

button

After that user will be prompted to delete schedule

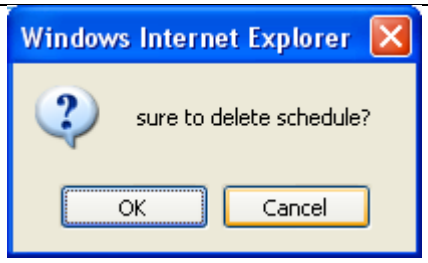


Figure 43 prompted to delete Schedule

4. Click OK in prompt

5.1.3.9. Add Weekly Schedule

To Add Weekly Schedule, User need to:

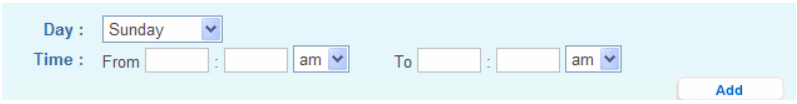
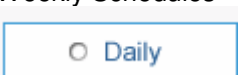
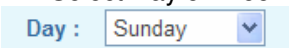


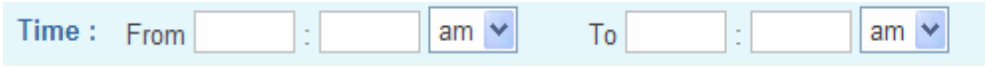
Figure 44 Add Weekly Schedules

1. Select 

2. Select Day of Week



3. Select Time



To Delete, User need to:

1. Click

button

After that user will be prompted to delete schedule

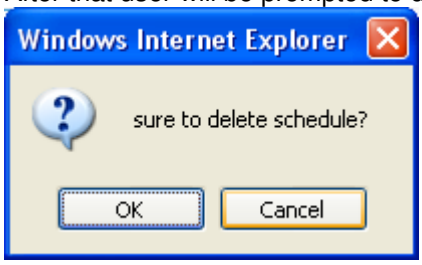


Figure 45 prompted to delete Schedule

2. Click OK in prompt

5.1.3.10. Add Monthly Schedule

To Add Monthly Schedule, User need to:

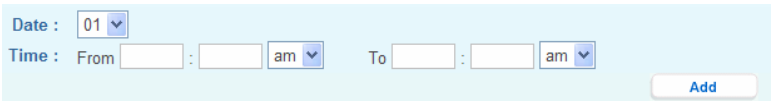
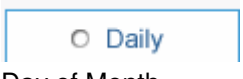
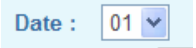


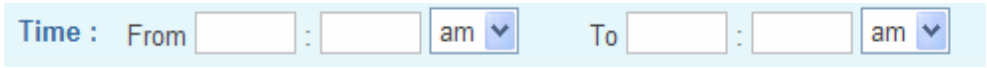
Figure 46 Add Monthly Schedules

1. Select 

2. Select Day of Month



3. Select Time



To Delete, User need to:

1. Click button

After that user will be prompted to delete schedule

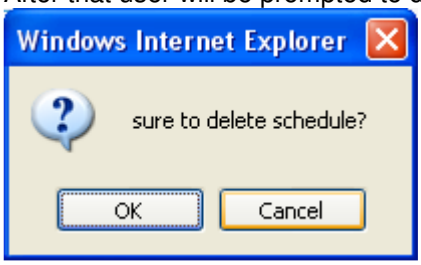


Figure 47 prompted to delete Schedule

2. Click OK in prompt

5.1.3. Motion Detection Recording

Admin User can define a motion trigger threshold in the camera to alert the EasyWatch Platform to perform recording when a motion is detected at the camera.
Once the EasyWatch Platform receives the motion-trigger recording, EasyWatch system will start recording of that camera for the duration of the recording snippets.
Motion-trigger recording clips are stored permanently in the system until users manually delete them.

5.1.3.1. Set Motion Detect Area

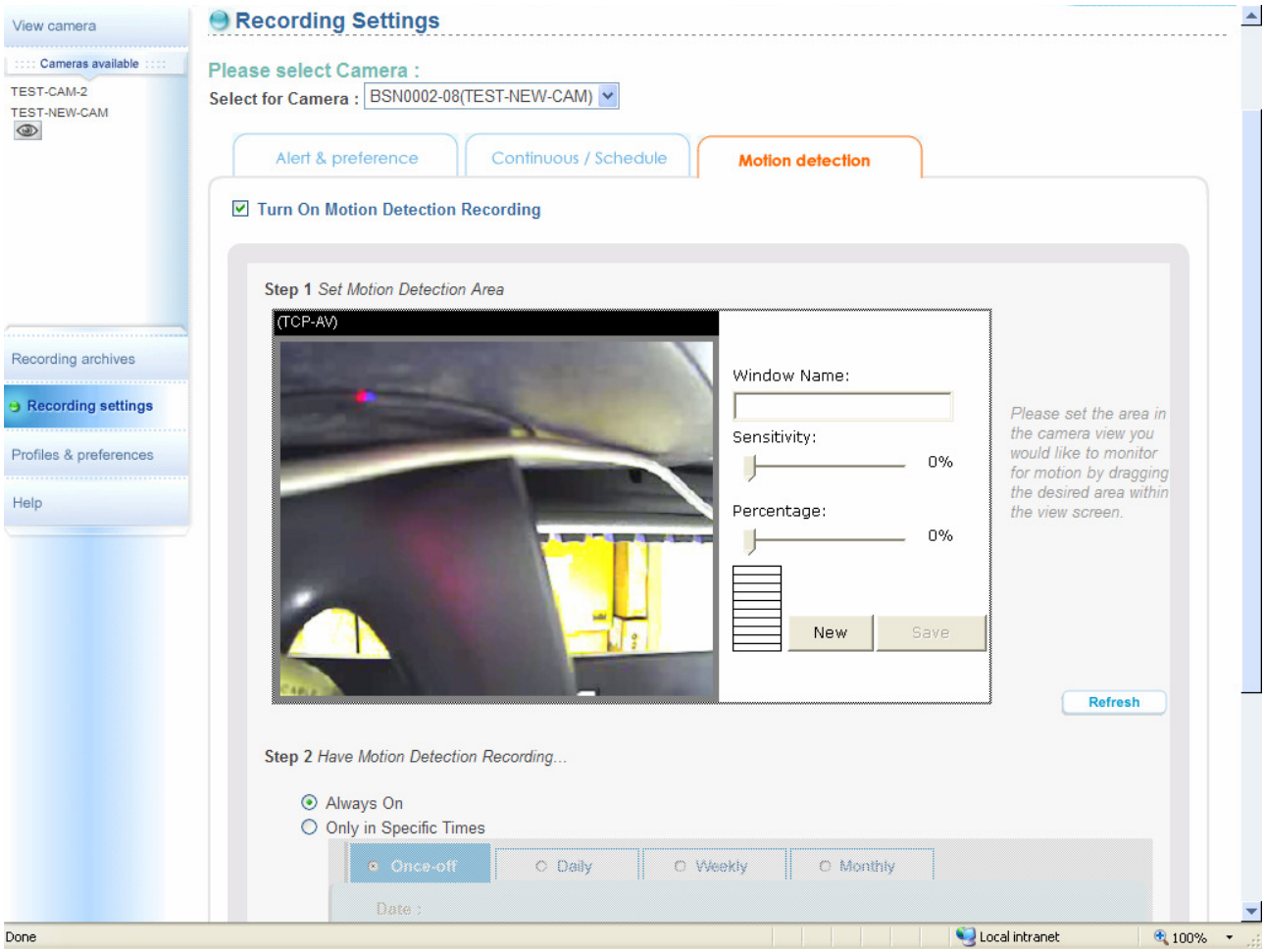
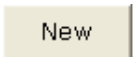
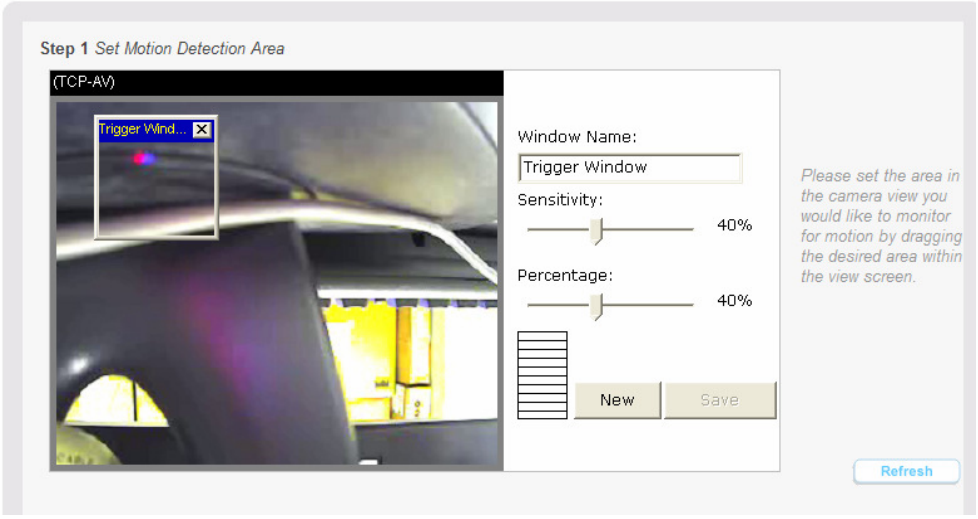


Figure 48 Set Motion Detect Area

1. Click on 

button to add a new window. At most three windows can exist simultaneously. Use the mouse to click, hold, and drag the window frame to resize or the title bar to move. Click on the 'x' at the upper right-hand corner of the window to delete the window. Remember to save in order to validate the changes.



2. Click on Save button to save the related window settings. A graphic bar will rise or fall depending on the image variation. A green bar means the image variation is under monitoring level and a red bar means the image variation is over monitoring level. When the bar goes red, the detected window will also be outlined in red. Going back to the homepage, the monitored window is hidden but the red frame shows when motion is detected.

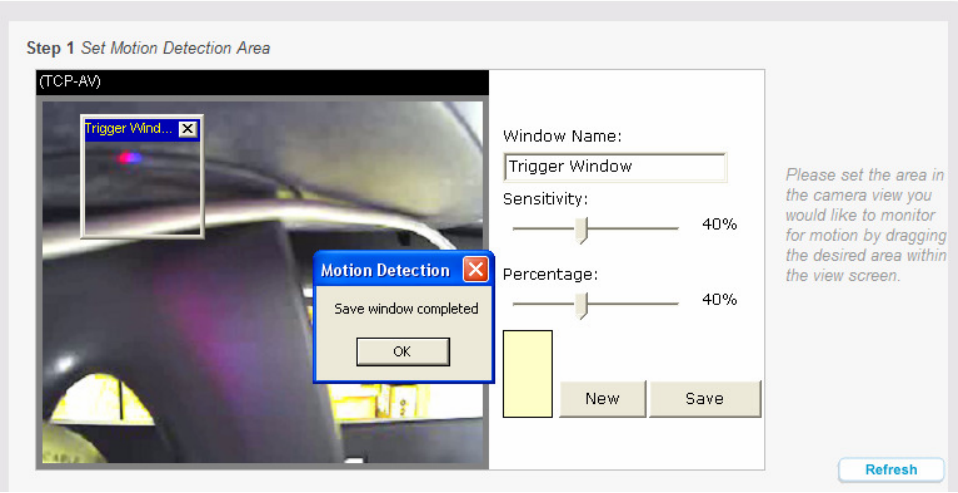


Figure 49 Confirm Window Completed

Figure 50 Set Window Complete

"Window Name" The text will show at the top of the window.
"Sensitivity" This sets the endurable difference between two sequential images.
"Percentage" This sets the space ratio of moving objects in the monitoring window.
Higher sensitivity and small percentage will allow easier motion detection.

The following figure shows the screen when Save is clicked. The monitoring window has been outlined in red and the graphic bar goes red since the Object is moving.

5.1.3.2. Have Motion Detected Recording On.

User can select the Camera Motion Detection active time.
There are two options:

1. Always On

The Motion Detected is always active.

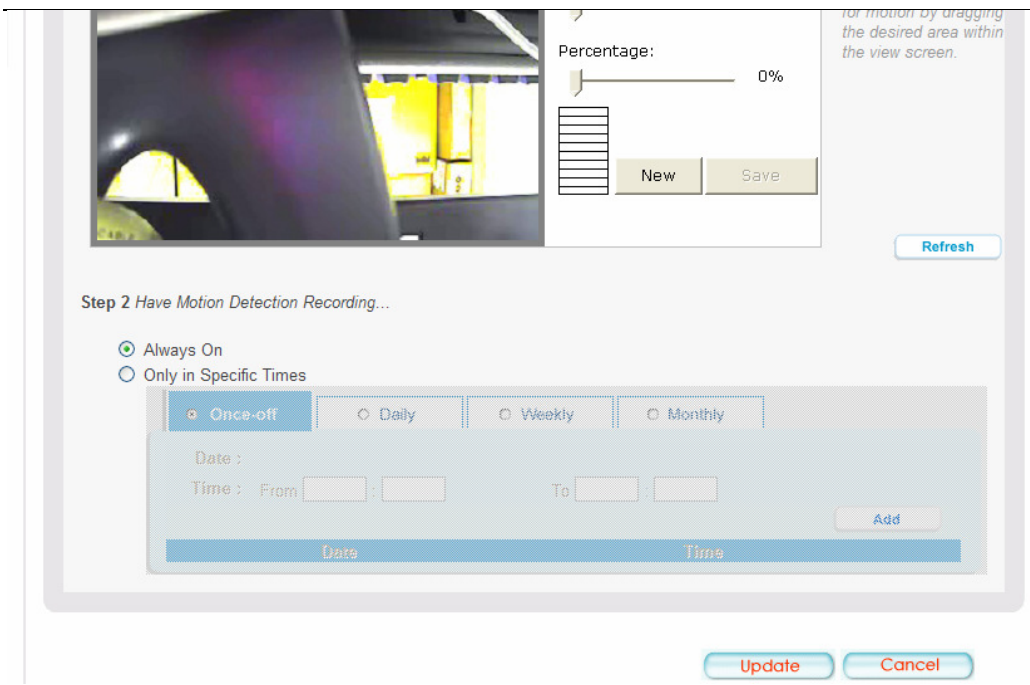


Figure 51 Have Motion Detection Recording – Always On

2. Only in Specific Times.

The Motion Detection is active at specific time only.

User can define a schedule for Motion Detection active.

Similar to Schedule recording, there are 4 type of motion detection schedule: Once-off, Daily, Weekly and Monthly.

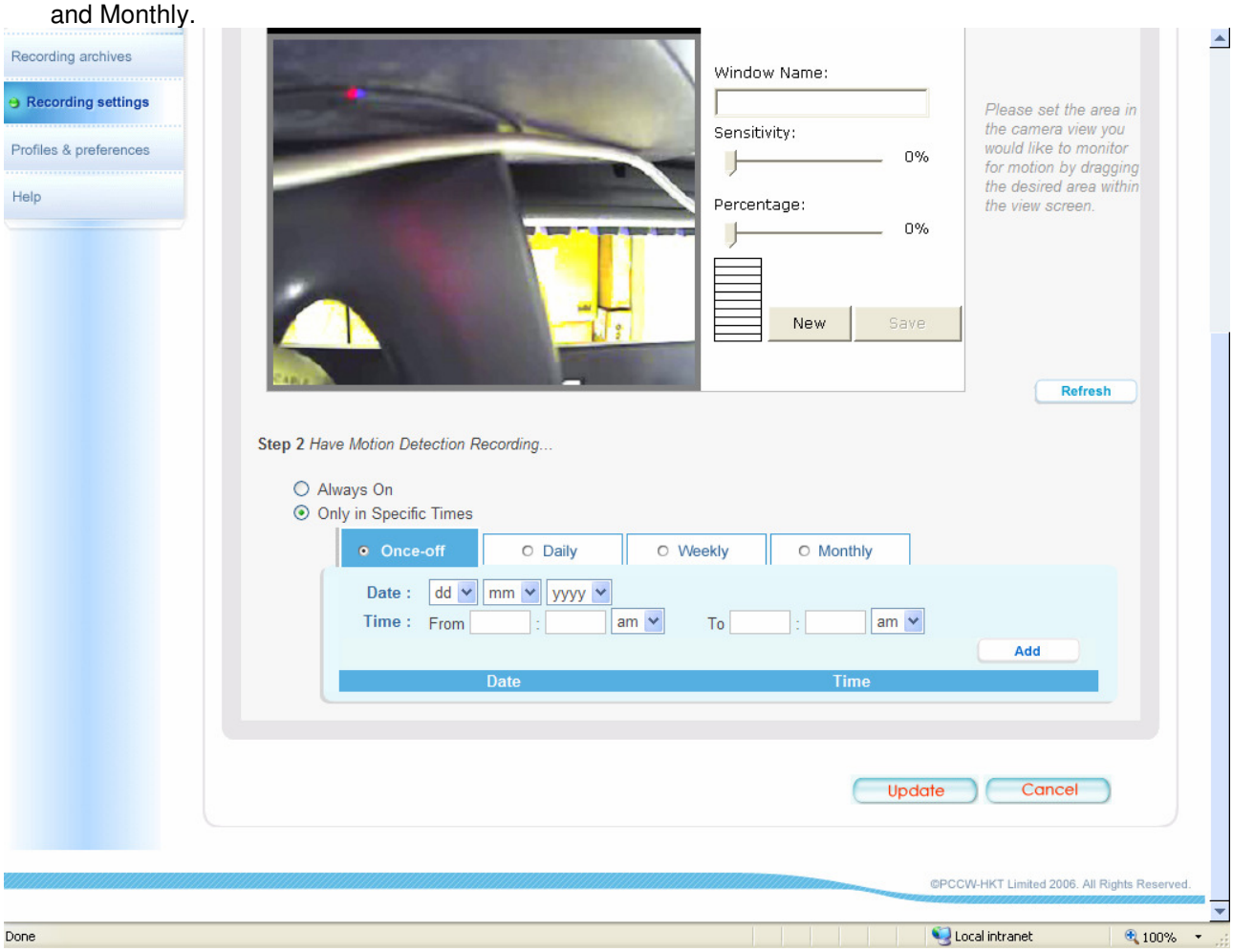


Figure 52 Have Motion Detection Recording – Only in Specific Times

5.1.3.3. Add Once-Off Schedule

To Add Once-Off Schedule, User need to:

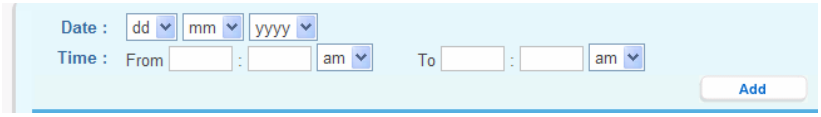
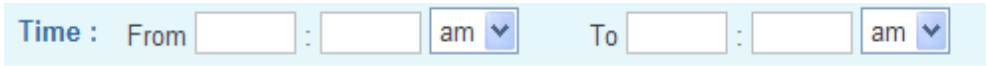


Figure 53 Add Once-Off Schedule

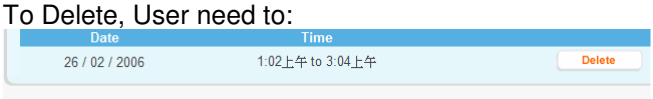
4. Select

5. Select Date

6. Select Time



To Delete, User need to:



5. Click Delete button

After that user will be prompted to delete schedule

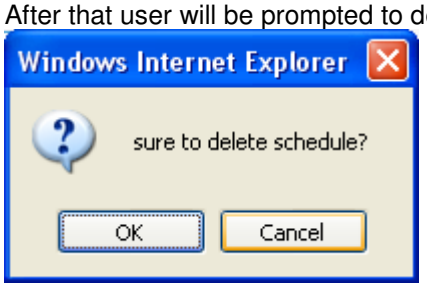


Figure 54 prompted to delete Schedule

6. Click OK in prompt

5.1.3.4. Add Daily Schedule

To Add Daily Schedule, User need to:

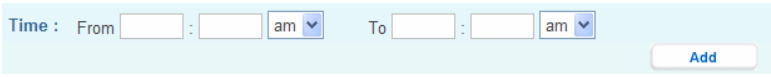
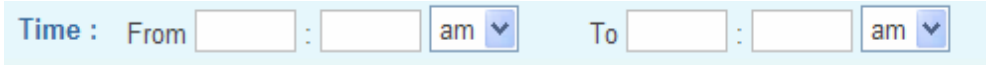


Figure 55 Add Daily Schedules

3. Select Daily
4. Select Time



To Delete, User need to:

7. Click Delete button

After that user will be prompted to delete schedule

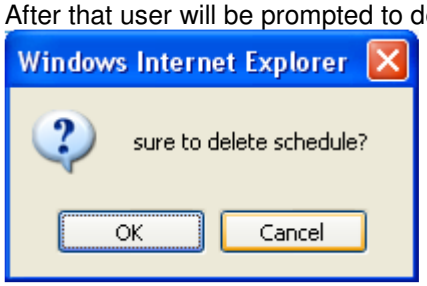


Figure 56 prompted to delete Schedule

8. Click OK in prompt

5.1.3.5. Add Weekly Schedule

To Add Weekly Schedule, User need to:

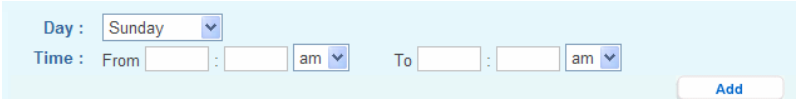
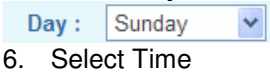
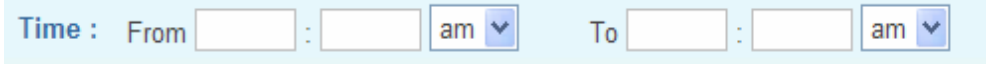


Figure 57 Add Weekly Schedules

4. Select Daily
5. Select Day of Week



6. Select Time



To Delete, User need to:

3. Click

button

After that user will be prompted to delete schedule

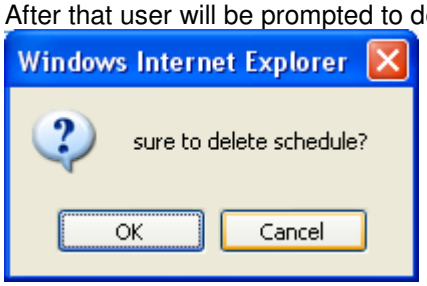


Figure 58 prompted to delete Schedule

4. Click OK in prompt

5.1.3.6. Add Monthly Schedule

To Add Monthly Schedule, User need to:

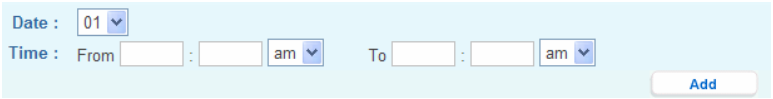
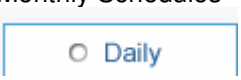
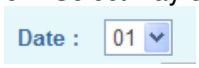


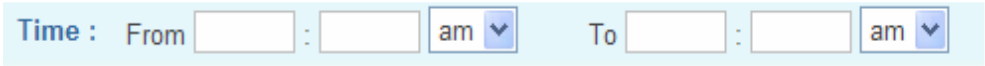
Figure 59 Add Monthly Schedules

4. Select 

5. Select Day of Month



6. Select Time



To Delete, User need to:

3. Click

button

After that user will be prompted to delete schedule

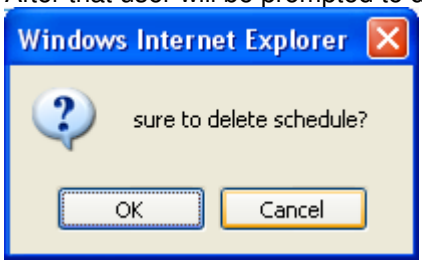


Figure 60 prompted to delete Schedule

Click OK in prompt

Disable Motion Detection At All

1. Un-Tick

2. Click

5.2. Assign Camera

Admin user may assign the access right of each user account to camera at Assign Camera Tab.

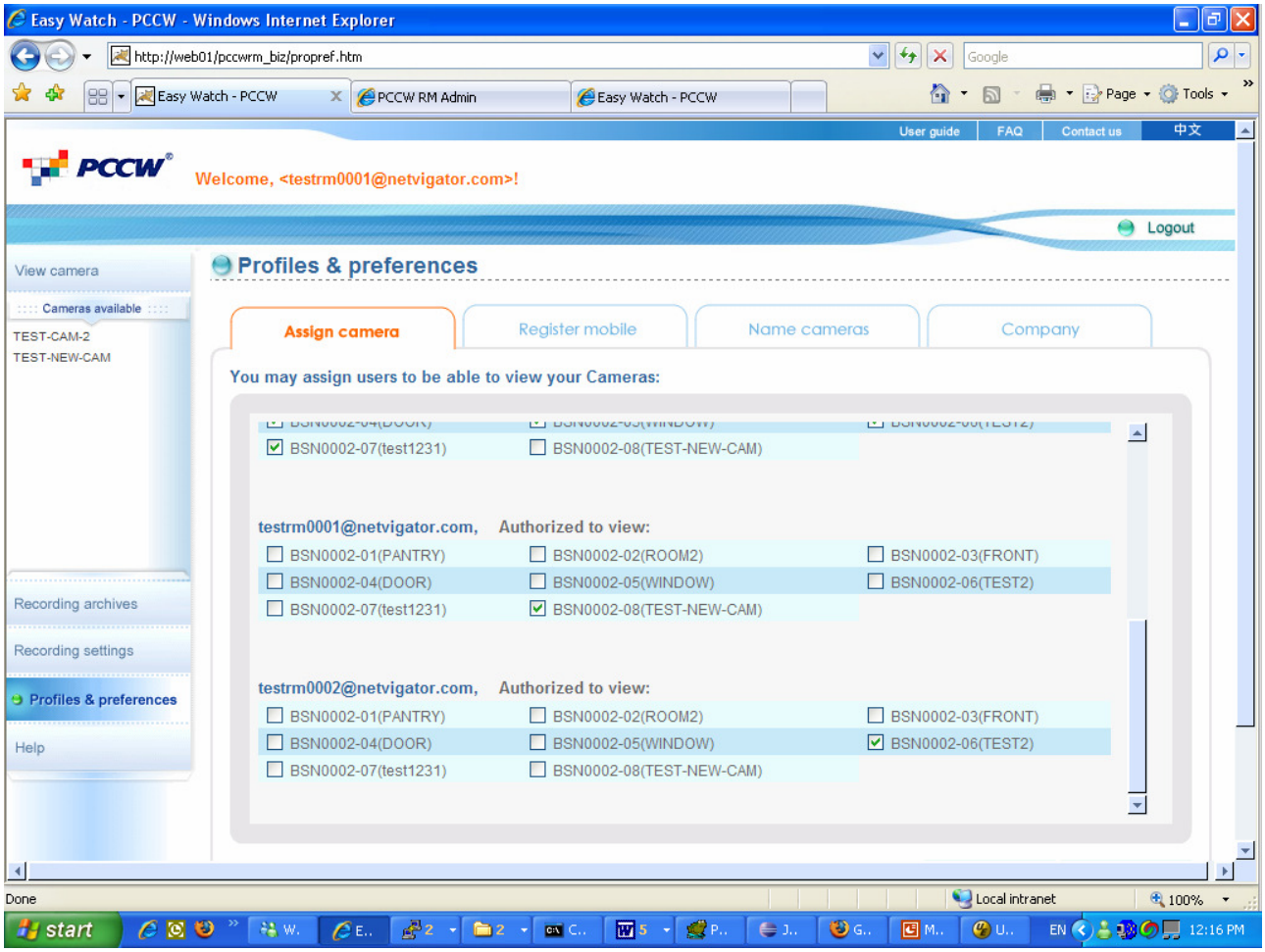
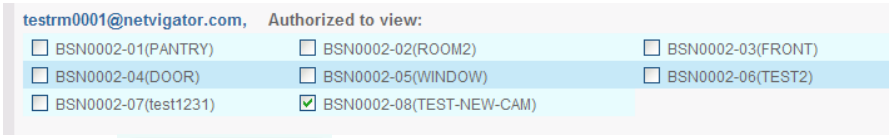


Figure 61 Assign Cameras

To Assign/Un-Assign Camera, you may:

1. Go to user section you are going to assign camera
2. Tick Cameras those camera that allow user to view. Un-Tick those camera that not allow user to view.



3. Click

5.3. Name Camera

Admin user may edit the camera label. By default, each camera has a 'system label' of 'BSNID'-01, 'BSNID'-02, 'BSNID'-03, etc. User may choose to edit a 'user label' such as 'front-door', 'rear-door' at Name Camera Tab. Then the user label of a camera is displayed on user view screen.

To Name Camera, User can:

1. Go to Name Camera Tab

2. Enter/Delete/Update the Camera Label corresponding to that camera.

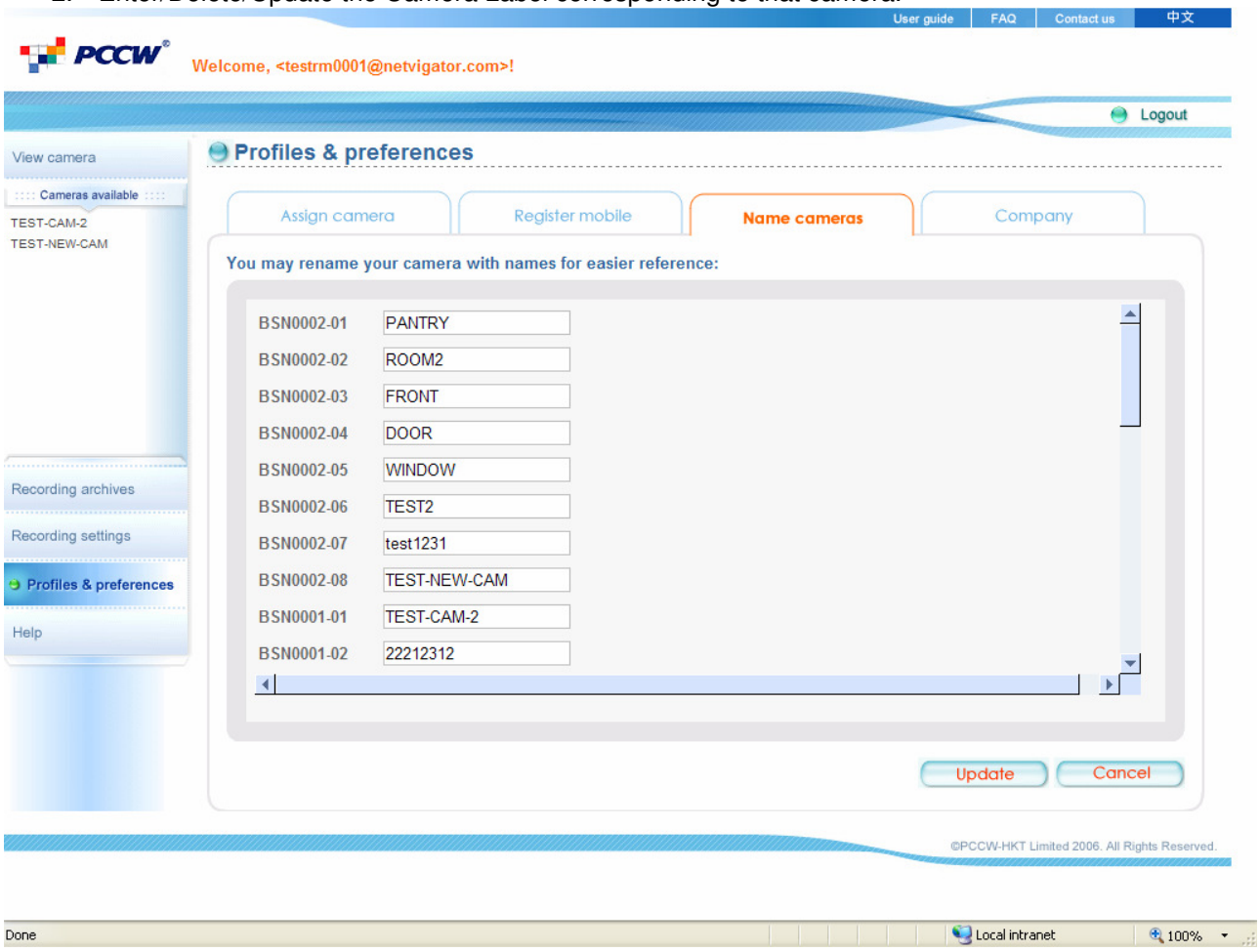


Figure 62 Name Cameras

5.4. Company

For User with multiple broadband lines, user may associate multiple broadband lines account. Once the Broadband line associated, the entire Camera List will be shared between two broadband lines.

5.4.1. Create Group

To associate multiple broadband lines, admin user should generate a Group ID and corresponding pin through Company Tab.

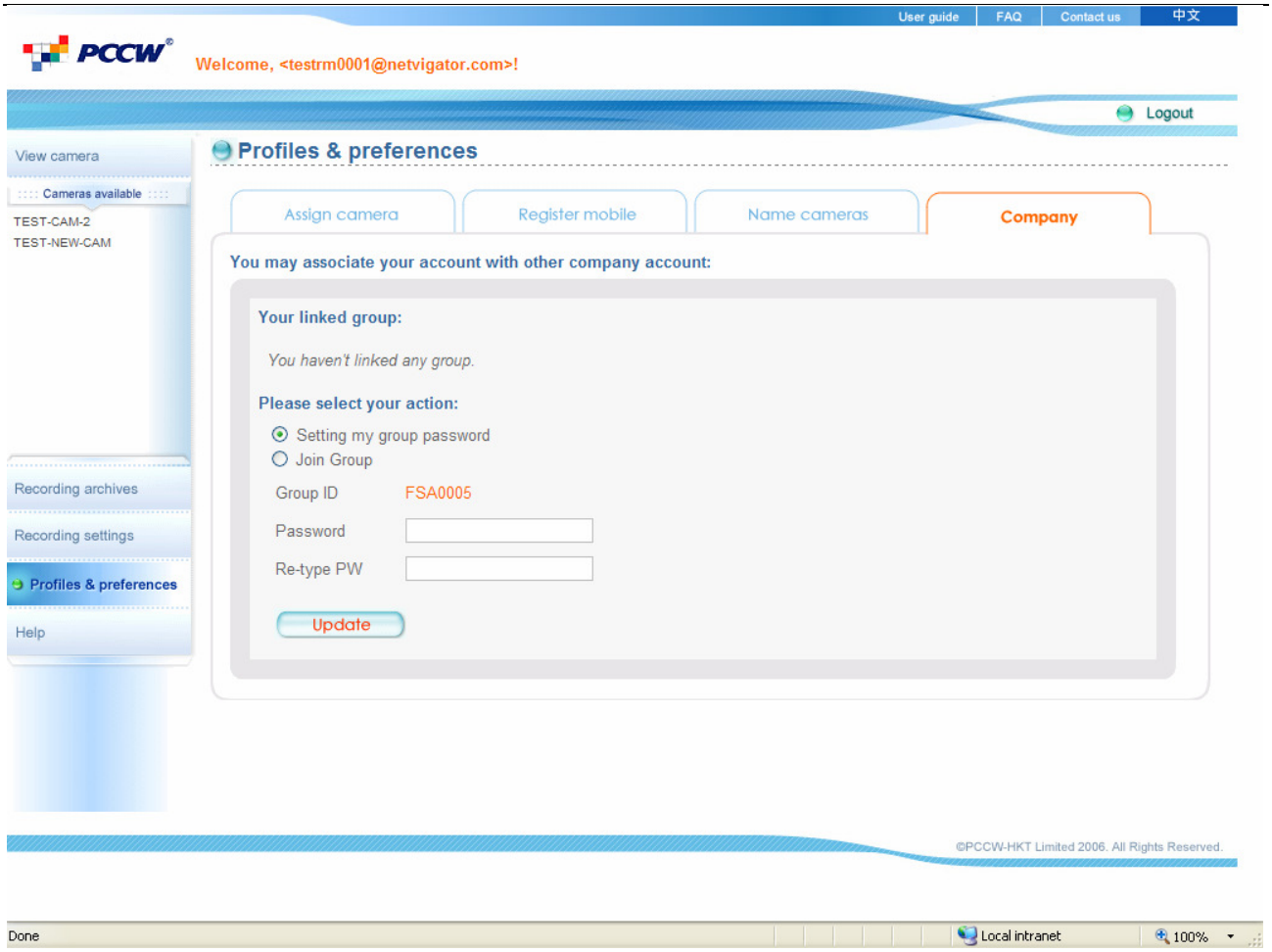
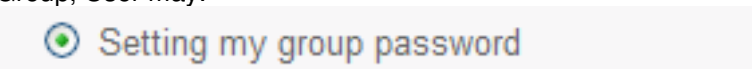


Figure 63 Create Group

To Create Group, User may:

1. Select 

2. Enter Password and Retype Password

3. Click

5.4.2. Join Group

After Create Group, Admin user shall informs other FSA lines admin user to input the Group ID and pin to the Company Tab. After checking the ID and pin, the system can associate these multiple FSA lines.

For subsequent user logins (WAP or 3G video call), if there is associated with the FSA lines, then all cameras belonging to the same group will be displayed in the camera list for user to select.

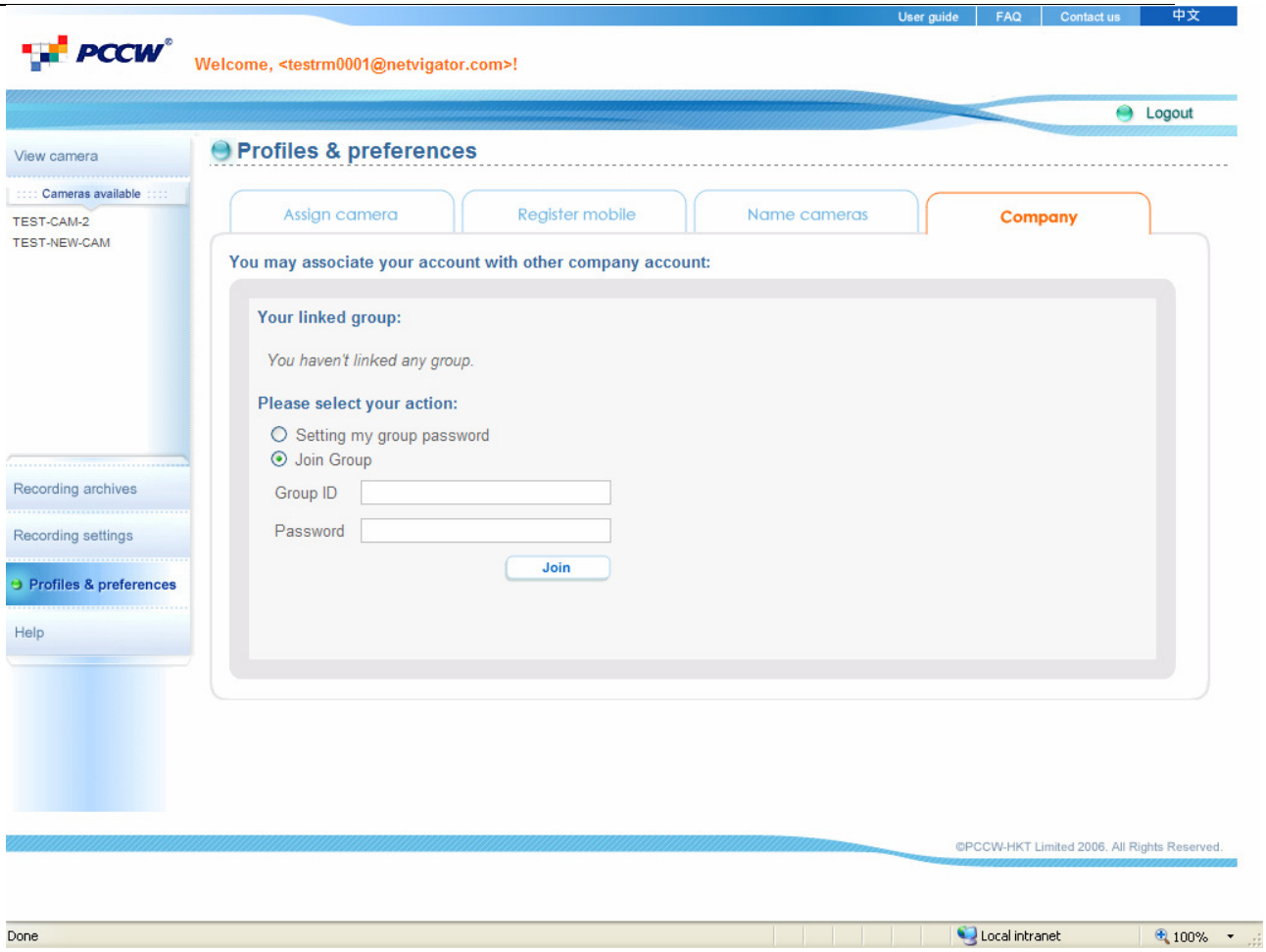
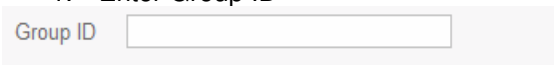


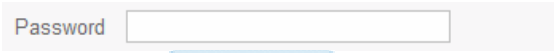
Figure 64 Join Group

To Join Group, User may:

1. Enter Group ID



2. Enter Password



3. Click

5.4.3. Unlink Group

After Join Group, User may unlink the group and disassociate with the group.

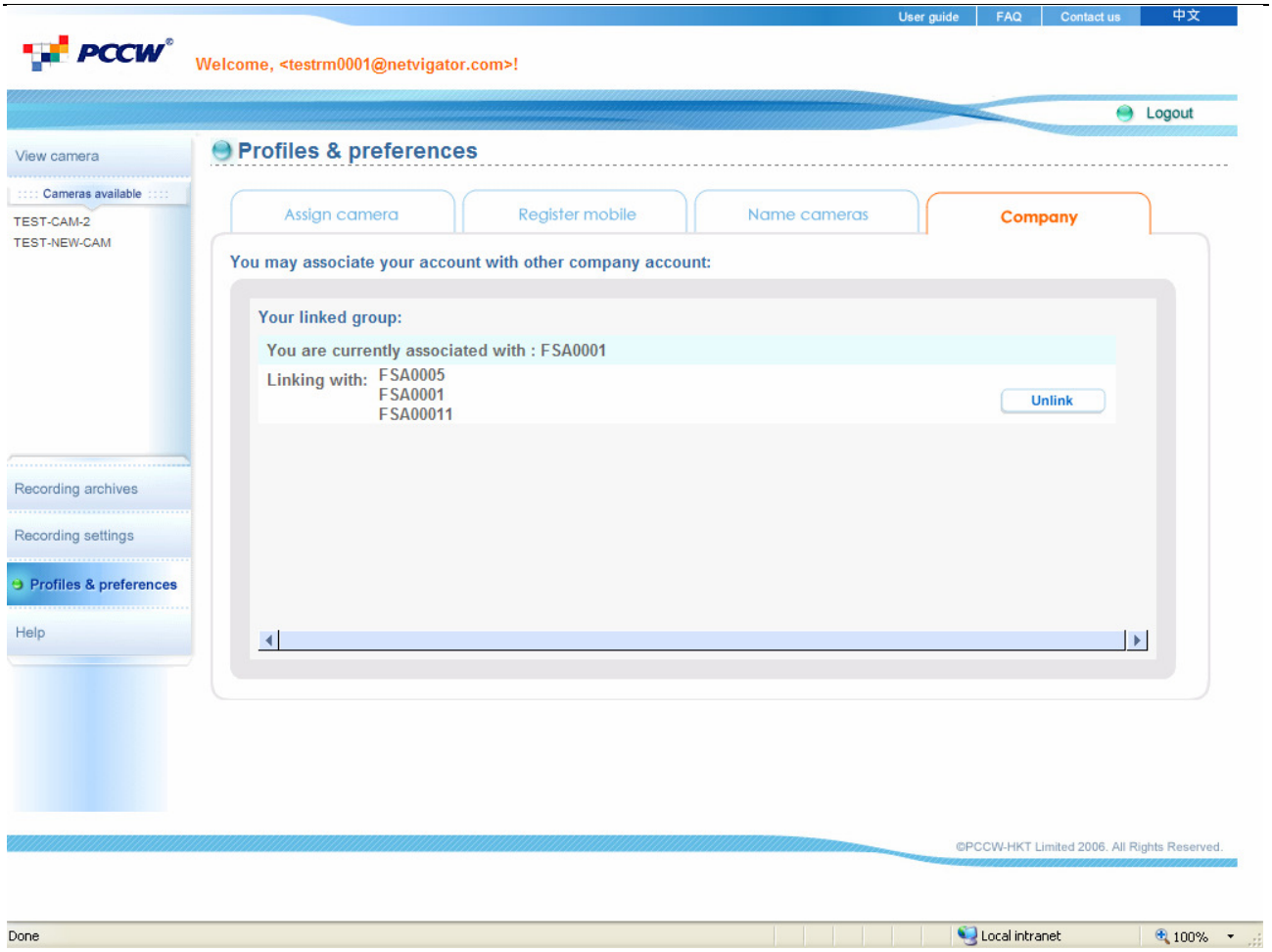


Figure 65 Unlink Group

To Unlink Group, User may:

1. Go to Company tab.
2. Click Unlink

Note: For user who creates the group, when user unlinks the group, all group members will be disassociated and the group will be destroy.

<End>