



TCIT Match

Windows Version

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User Manual

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■ Revision History

Date	Revision	Content	Prepared by
2014/05/9	1.0	Preliminary version	Robert Lee Adela Wen

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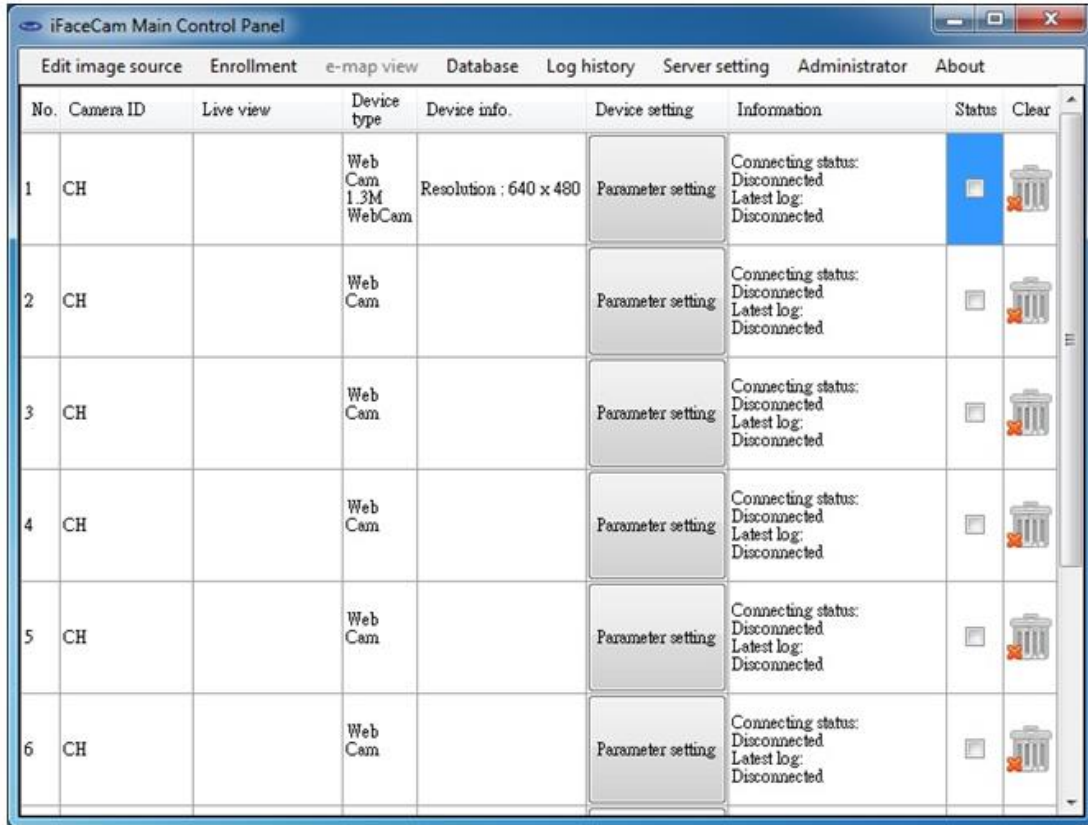
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User Interface and Operating Instructions

1. TCIT Match Main Control Panel

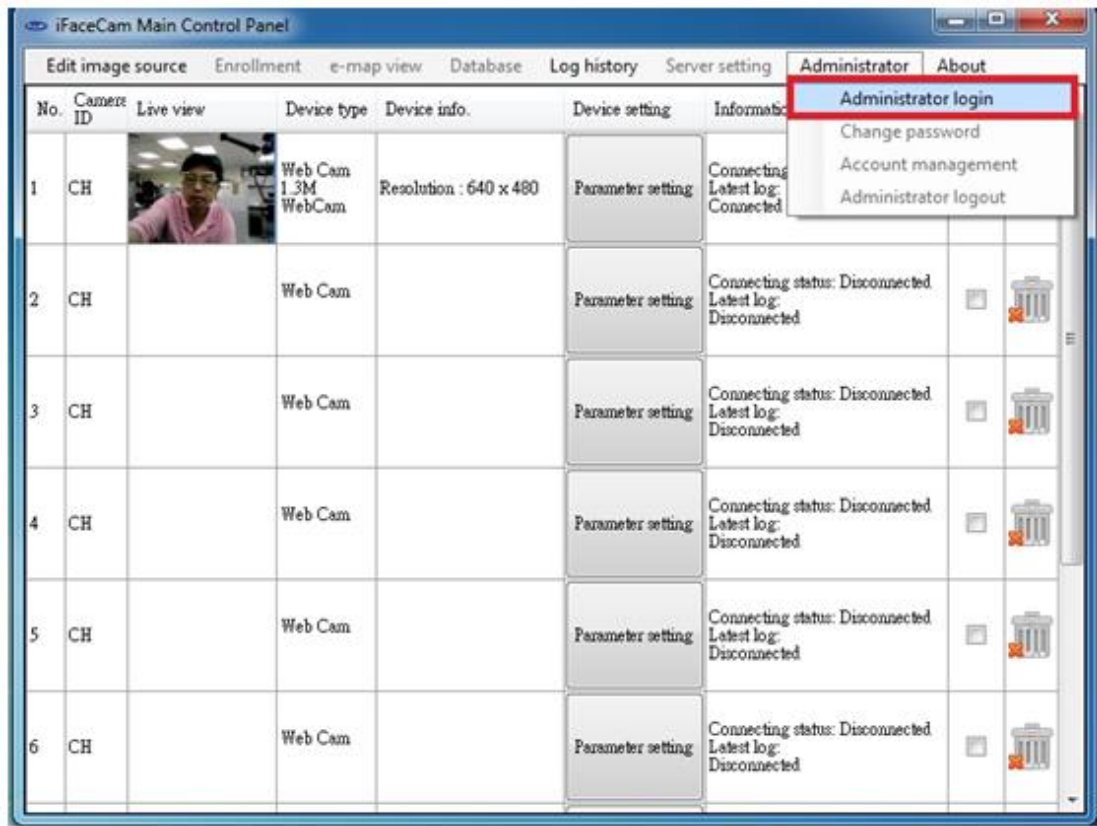


■ Field Description:

Field	Description
No.	ID number
Camera ID	Camera ID number
Live view	Show live view of designate camera
Device type	Display camera type and model (Web Cam, IP Cam)
Device info.	Display device detailed information (IP address, Port, Resolution)
Device setting	Enter parameter setting page
Information	Display device connecting status and latest log
Status	Turn on or off the camera connection
Clear	Clear camera setting

2. Before accessing the TCIT Match Main Control Panel, go to “Administrator”

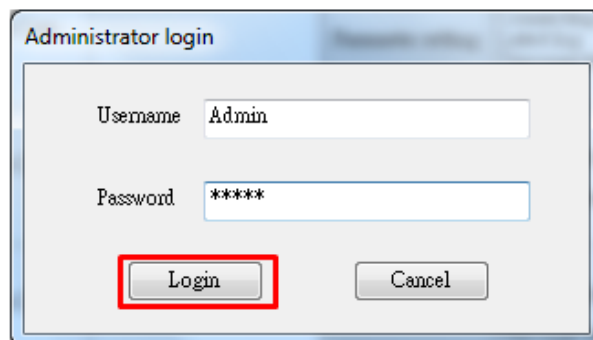
and login as administrator.



Note : Logging in as administrator is required to access TCIT Match

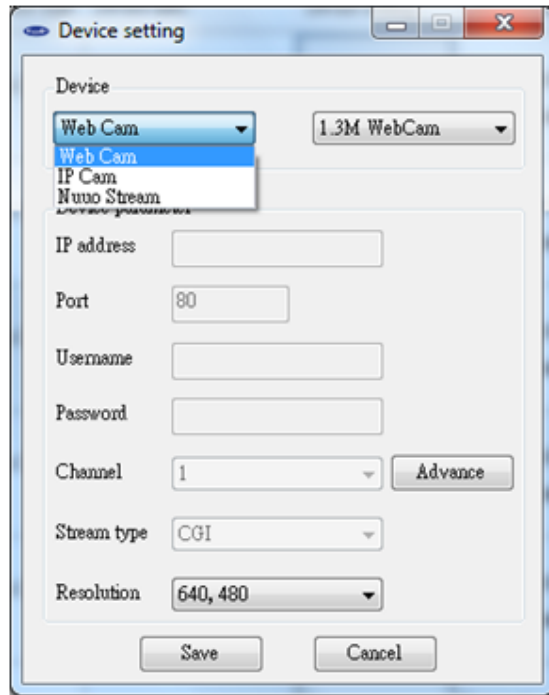
Default Username : **Admin**; Default Password : (set by administrator)

(Note: username and password are case sensitive)

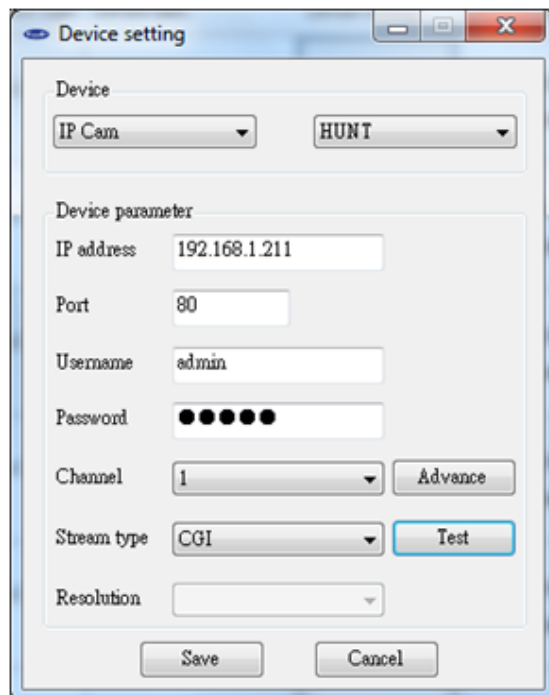


3. Once logged in as the administrator, click “Parameter setting” to set camera.

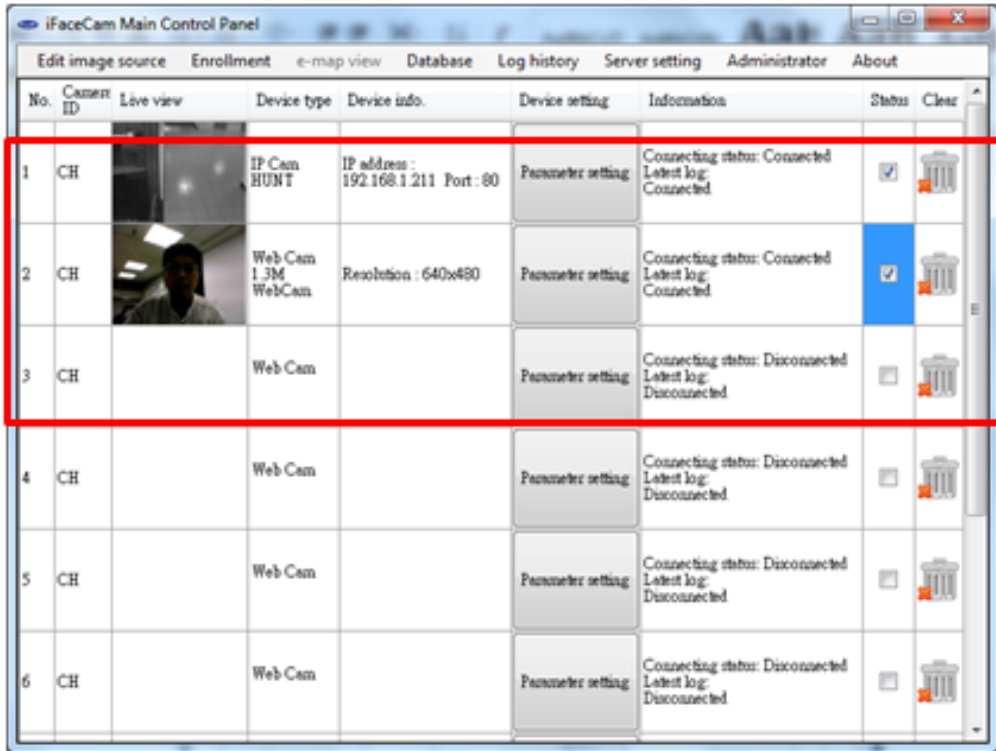
■ Web Cam setting:



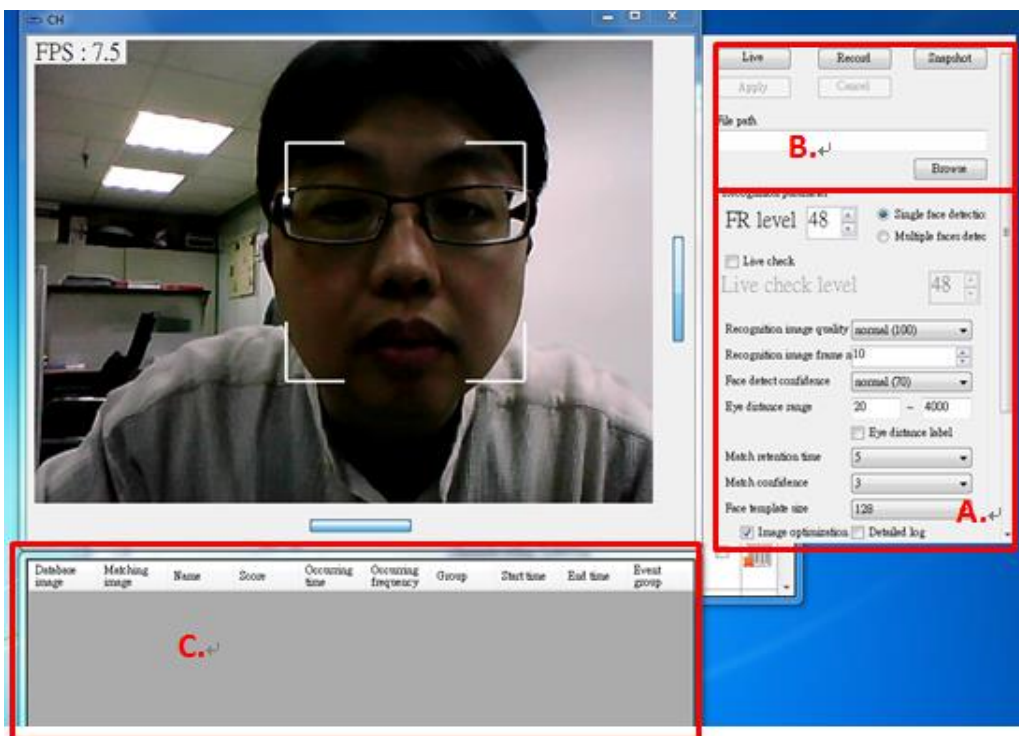
- IP Cam setting:



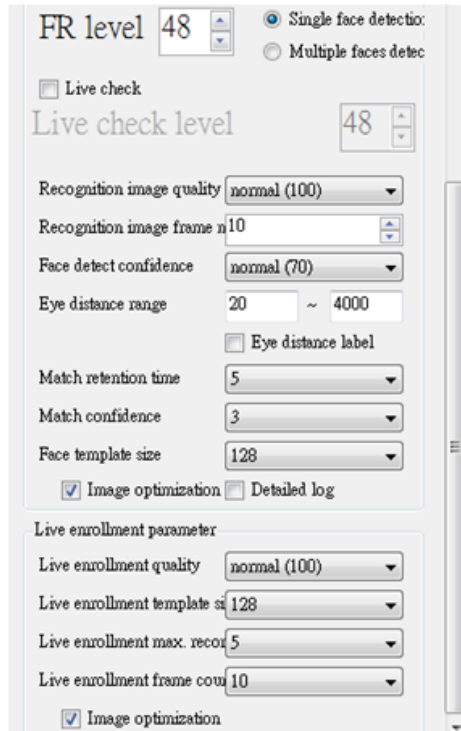
4. After camera setting, return to Main Control Panel. Check “Status” of designate camera to display detailed information.



5. Click “Live view” to display recognition main screen.



■ “A.” Recognition parameter setting:



■ Parameter description:

Parameter	Description
FR level	Set face recognition level.
Single/ Multiple face detection	Select single or multiple face detection.
Live check	Turn on or off the live check function.
Live Check level	Set Live Check level.
Recognition image quality	Set image quality.
Recognition image frame number	Set image frame number.
Face detect confidence	Set face detect confidence.
Eye distance range	Set eye distance range.
Image optimization	When turned on, light effect is decreased, but accuracy is also slightly decreased. Default setting is off.
Detailed log	Show real time log list.
Match retention time	Set match retention time.
Match confidence	Set match confidence.

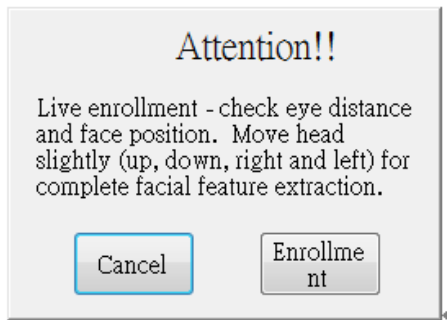
Face template size	Set face template size.
Live enrollment	Description
Live enrollment quality	Set live enrollment quality.
Live enrollment template size	Set live enrollment template size.
Live enrollment max. record per template	Set live enrollment maximum record per template.
Live enrollment frame count	Set live enrollment frame count.

■ “B.” Other settings:

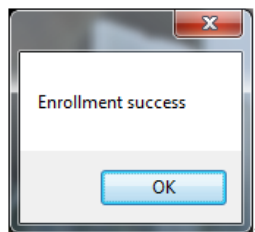
Function	Description
Live	Live enrollment
Record	Video recording and saved as yyyyMMdd HHmmssfff.avi
Snapshot	Take snapshot and saved as yyyyMMdd HHmmssfff.jpg
Apply	Apply the changes
Cancel	Cancel the changes
File path	Select file path to save files
Browse	Browse to select the file path

(a) Live enrollment: click “Live”

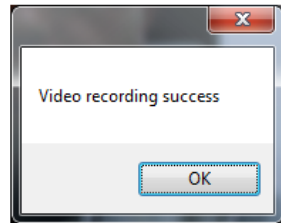
Click “Enrollment” to proceed to live enrollment. Please read “Attention!!” for proper enrollment.



Click “OK” after enrollment.



- (b) Video recording: click “Record” and
 File is saved as yyyyMMdd HHmmssfff.avi
 Click “OK” after recording.



- (c) Take snapshots: click “snapshot”.
 File is saved as yyyyMMdd HHmmssfff.jpg

C. Real time LOG list

Database image	Matching image	Name	Score	Occurring time	Occurring frequency	Group	Start time	End time	Event group
		Robert	48	11/1/2013 4:48:33 PM	37 / 0.23s	Default Group	00:00	Ever	warning flash

Field description:

Field	Description
Database image	Display the image from database.
Matching image	Show the image of person being recognized.
Name	Show name of database image.
Score	Matching score of Database image and Matching image.
Occurring time	Time of the person appearing on screen.
Occurring frequency	Frequency of the person appearing on screen.
Group	Show the group categorized.
Start time	Effective time started.
End time	Effective time ended.

Event group Show event group (welcome, screen flash, alarm etc.)

- (a) If matching person cannot be found in database, right click the mouse and select “Enroll” to enroll and save new data.

Note: if matching person is in the database, enrollment can still be performed to increase accuracy.

Database image	Matching image	Name	Score	Occurring time	Occurring frequency	Group	Start time	End time	Event group
		Robert	50	11/1/2013 4:53:26 PM	58 / 0.23s	Default Group	00:00	Ever	warning flash
				11/1/2013 4:53:26 PM	57 / 0.28s				

- (b) Enter name and select group, then click “Save”

Live enrollment data input

Name:

Group:

- (c) If the person is in the database already, you will be asked if merge required. Click “OK” to merge.

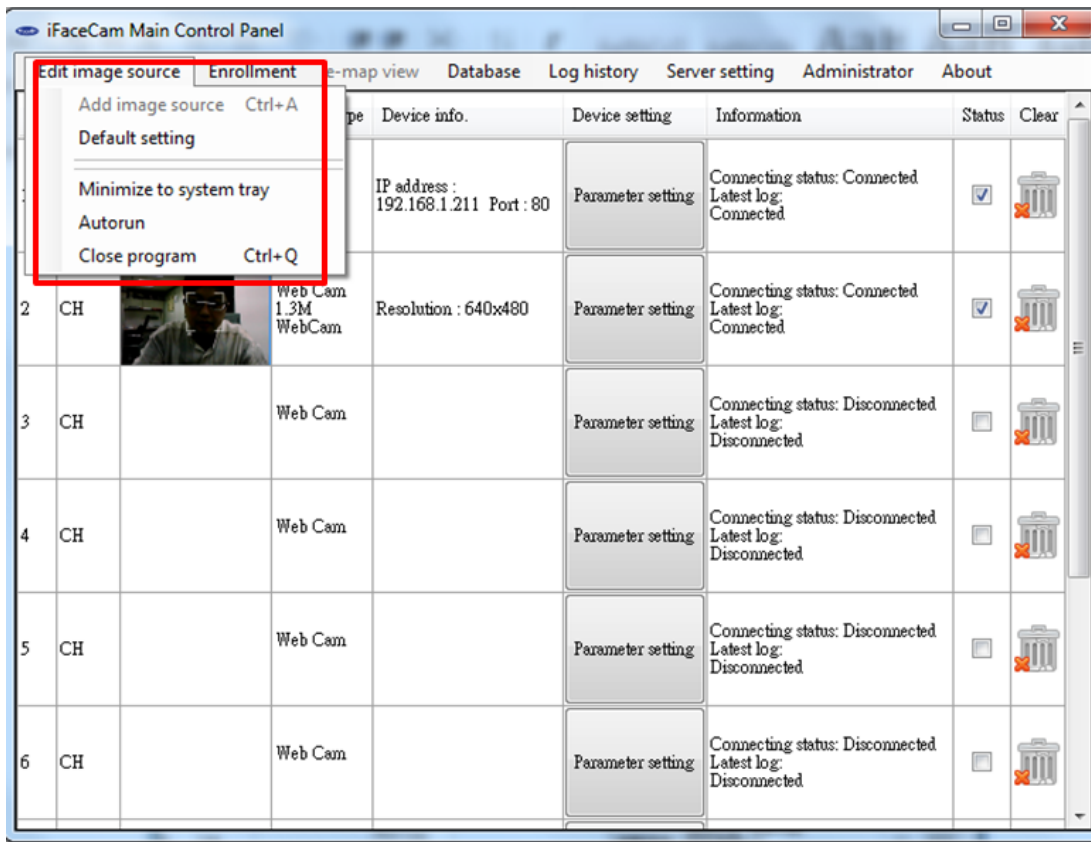
Name exist as shown on left - proceed to merge?

- (d) Click “OK” to finish enrollment.

Enrollment success

6. Description of Main Control Panel functions

(1) Edit image source:



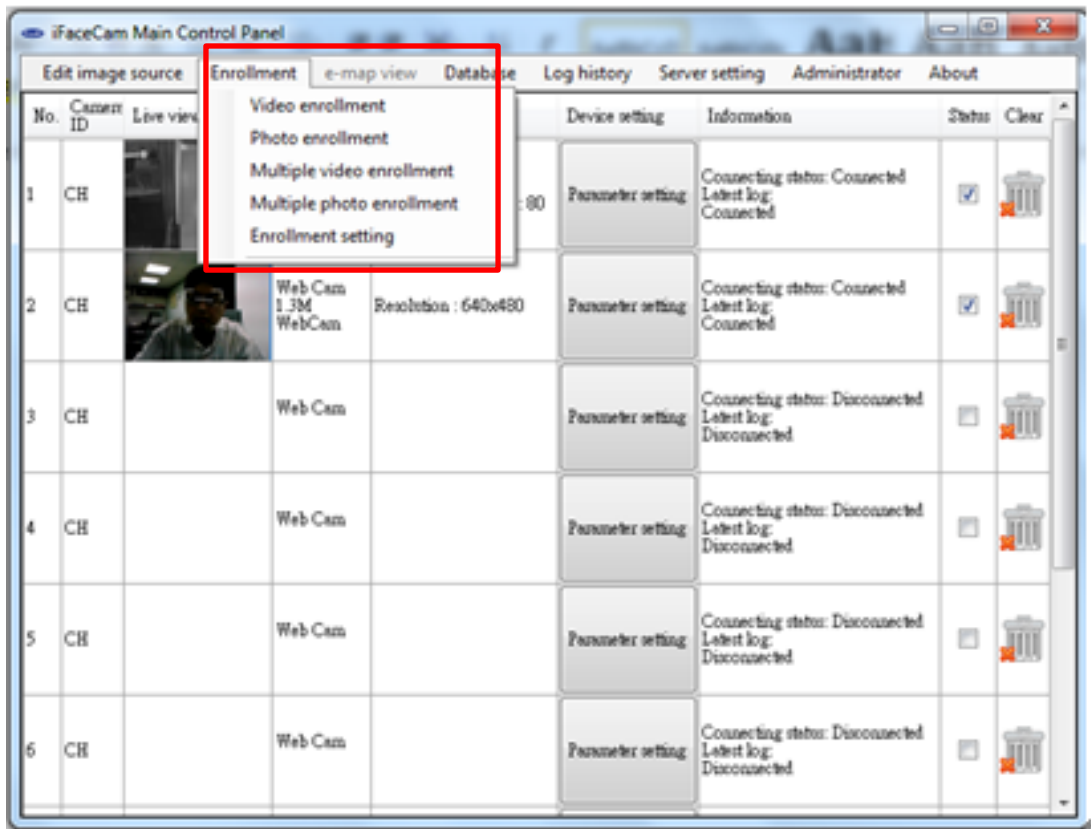
Default setting: enter the device setting page

Minimize to system tray: click to minimize program to system tray

Autorun: autorun the program when starting computer

Close program: exit the program

(2) Enrollment:



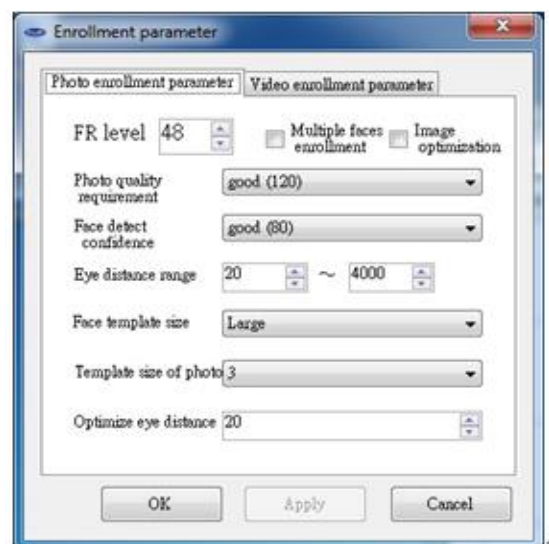
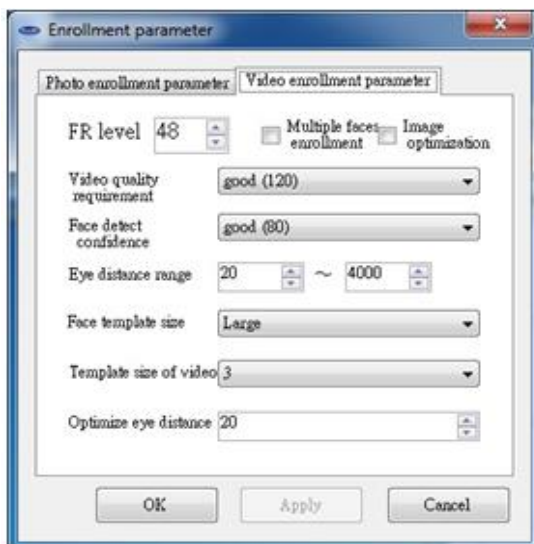
Video enrollment: enroll with video; file saved as .avi

Photo enrollment: enroll with photo; file saved as JPG 、BMP 、PNG

Multiple video enrollment: enroll with multiple videos; file saved as .avi

Multiple photo enrollment: enroll with multiple photos; file saved as JPG 、BMP 、PNG

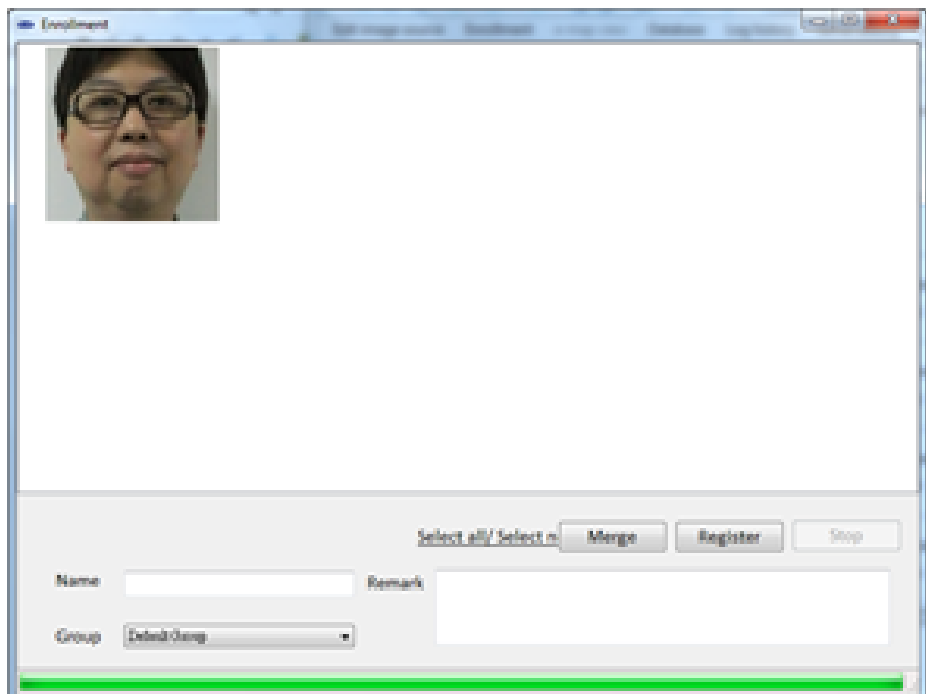
Enrollment setting: set video or photo enrollment parameters



Parameter description:

Parameter	Description
FR level	Set face recognition level.
Multiple faces enrollment	Select single or multiple face enrollment. Default setting is single.
Video/ Photo quality requirement	Set image quality.
Face detect confidence	Set face detect confidence.
Eye distance range	Set eye distance range.
Face template size	Set face template size.
Template size of photo	Set photo template size.
Template size of video	Set video template size.
Optimize eye distance	Optimizing the eye distance.

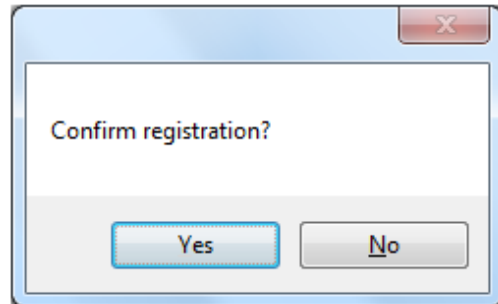
(A) Photo enrollment or Video enrollment: Select enrollment file and start enrollment. (Please refer to the following screenshot)



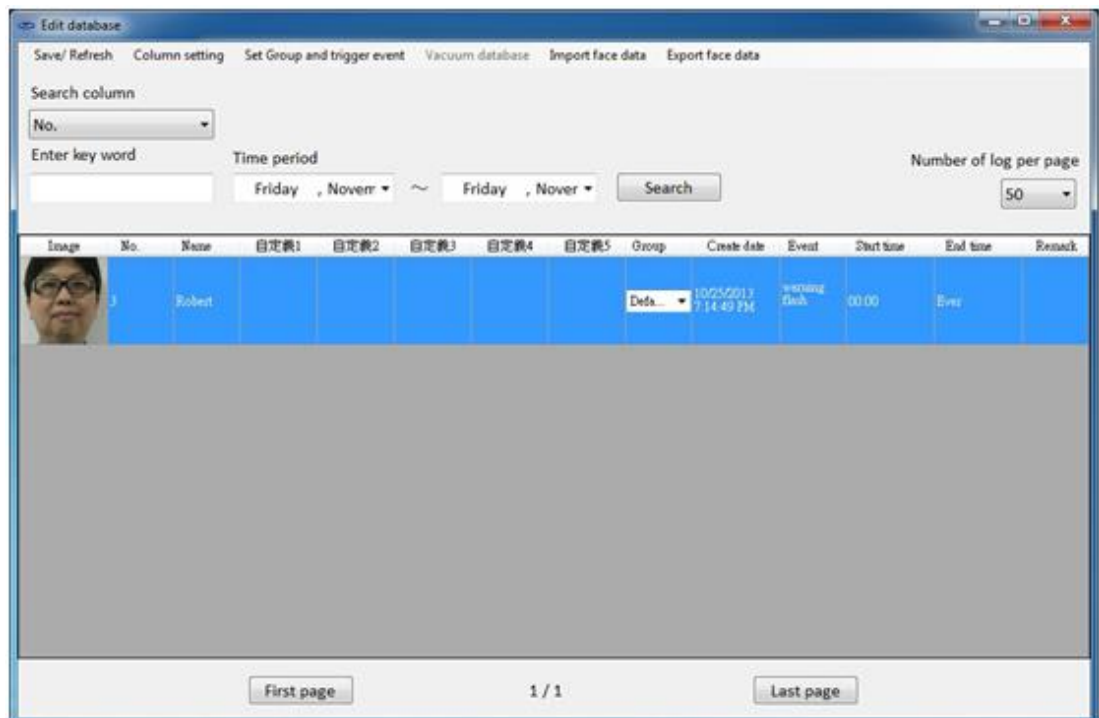
(B) Single face enrollment: enter “Name”, “Group”, “Remark” and click “Register”. To confirm registration, click “Yes”.

To enroll multiple faces: enter “Name”, “Group”, “Remark” and click “Merge”.

To confirm registration, click “Yes”.



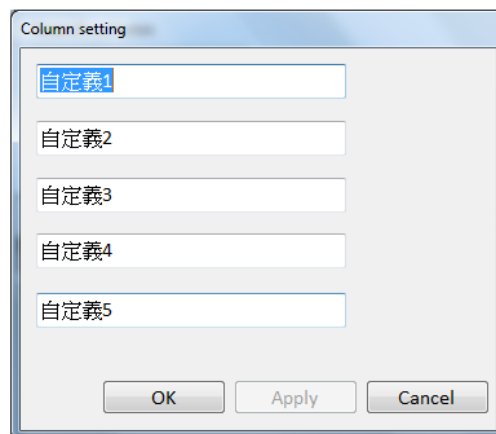
(3) Database: enter to edit the database information.



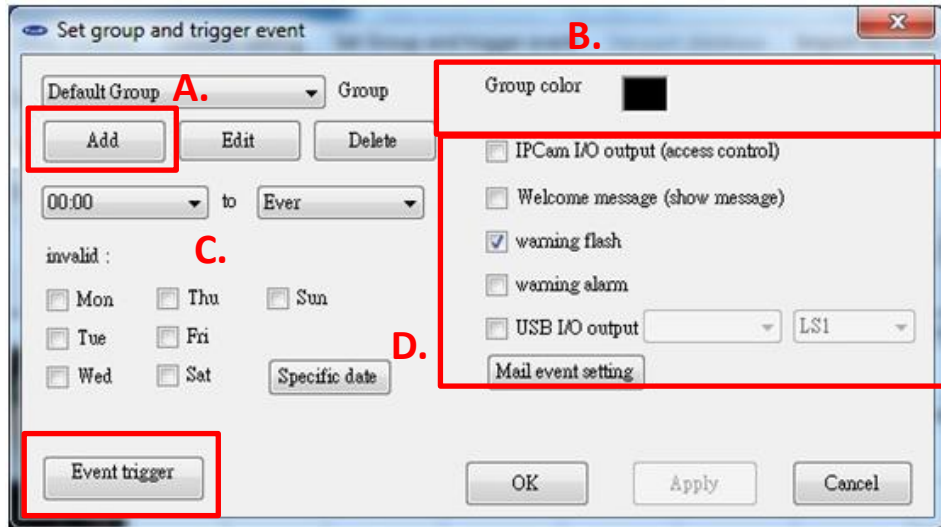
Field description:

Field	Description
Image	Display image from database.
No.	Show ID number of the image.
Name	Show name of the image.
User define 1	User can define the column
User define 2	User can define the column
User define 3	User can define the column
User define 4	User can define the column
User define 5	User can define the column
Group	Display group of the image.
Create date	Display image creation date.
Event	Show event (welcome, screen flash, alarm etc.)
Start time	Effective time started.
End time	Effective time ended.
Remark	Notes

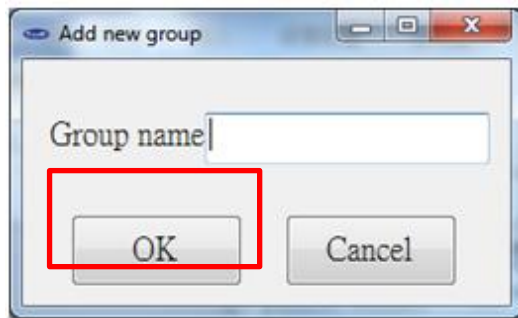
Column setting: user defined columns.



Set group and trigger event:



A. Add group: enter new group name and click “OK”. Click “Add” to confirm.



B. Set group color



C. Set group effective time

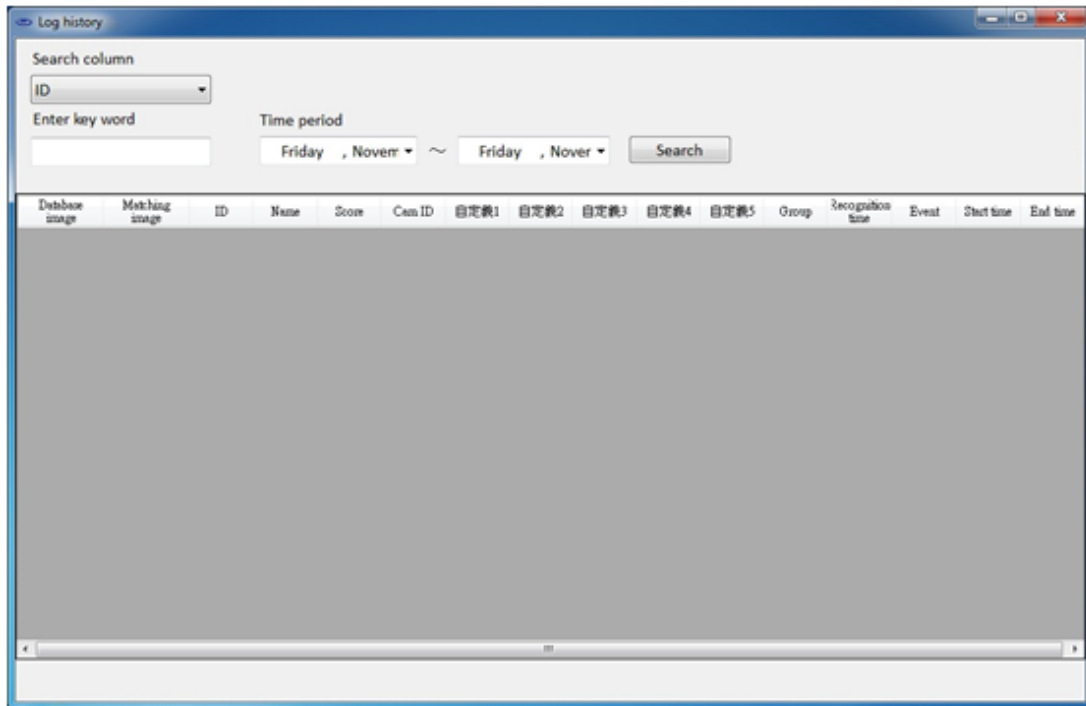
D. Set trigger event

Note: To apply the changes, click “Apply”, then click “OK”.

Import face data: import face data from storage to TCIT Match database.

Export face data: export face data from TCIT Match database to storage.

(4) Log history: to search log

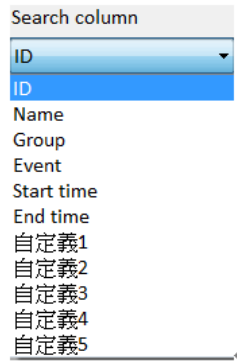


Field description:

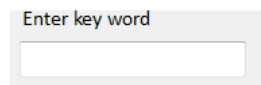
Field	Description
Database image	Display the image from database.
Matching image	Show the image of person being recognized.
ID	Show ID number of database image.
Name	Show name of database image.
Score	Matching score of Database image and Matching image.
Cam ID	Camera ID number
User define 1	User can define the column
User define 2	User can define the column
User define 3	User can define the column
User define 4	User can define the column
User define 5	User can define the column
Group	Display group of image.
Recognition time	Time of person being recognized.
Event	Show event (welcome, screen flash, alarm etc.)
Start time	Effective time started.
End time	Effective time ended.

LOG searching: One or multiple selections are allowed.

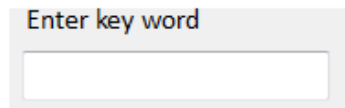
A. Search column



B. 輸入關鍵字搜尋



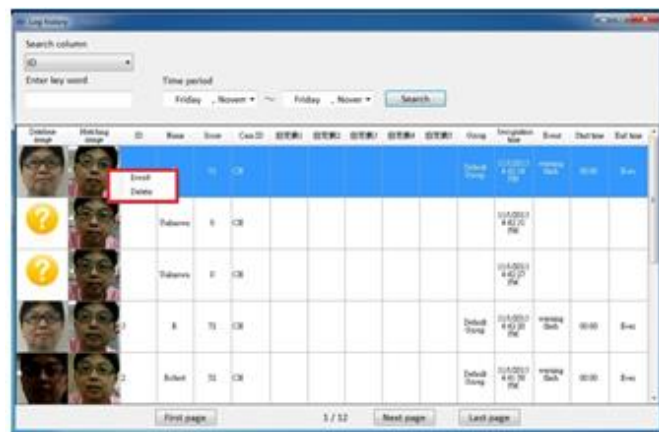
B. Enter key word



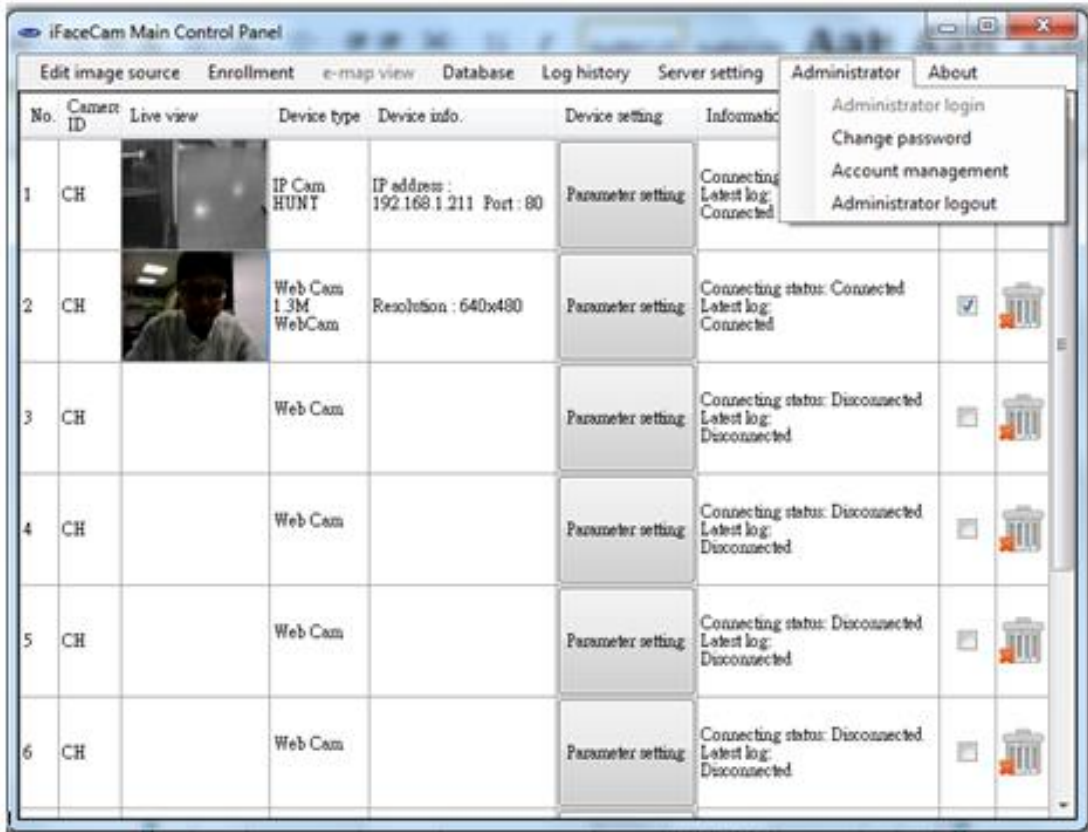
C. Time period



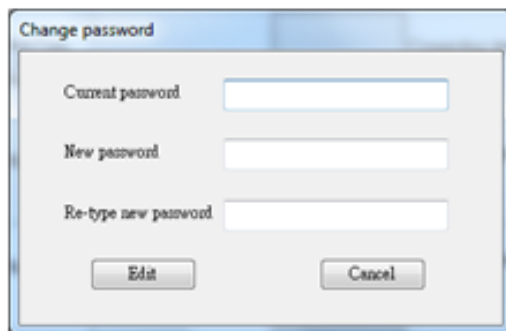
Click “Search” to show results: 10 logs per page



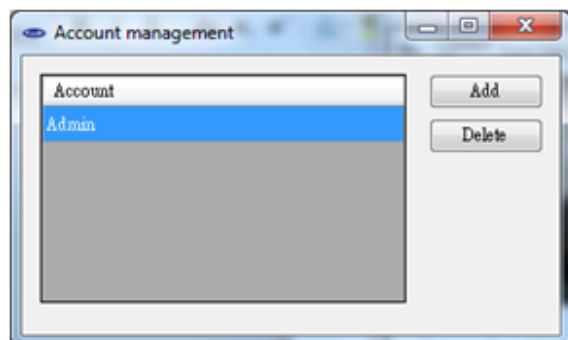
(5) Administrator



Change password



Account management: add or delete administrator account



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