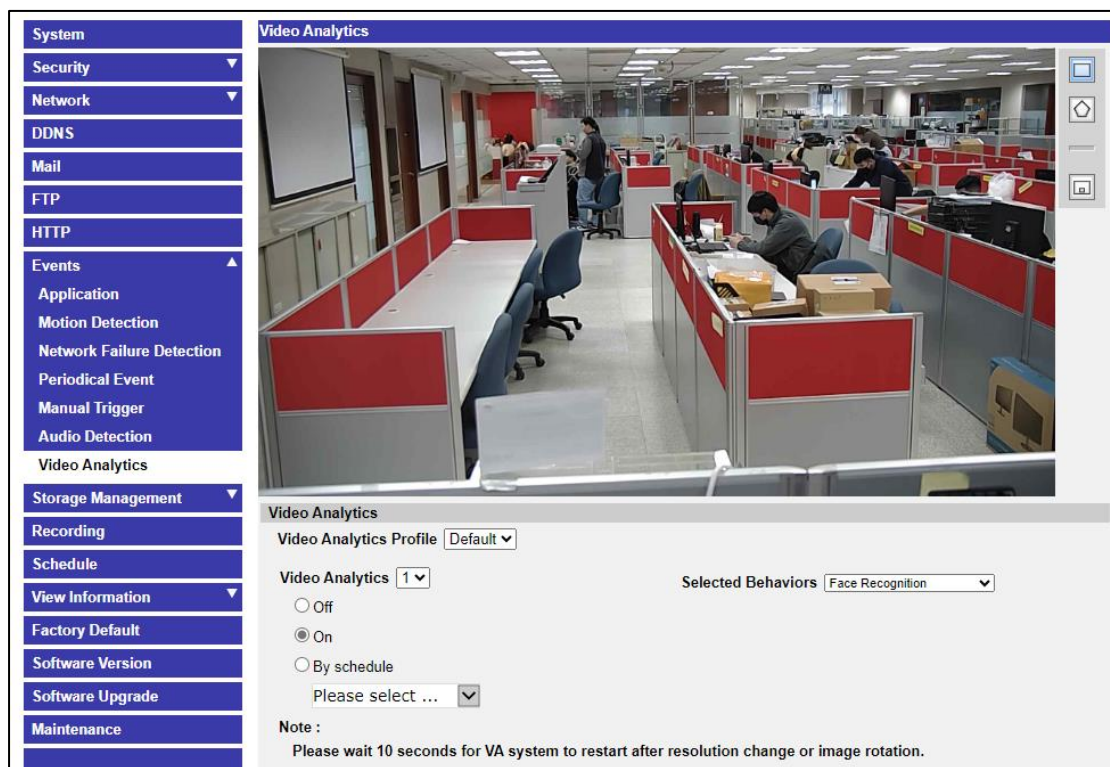


# How to Setup Face Recognition on A952 / A426 / A826 and NVR3

## Introduction

Setting up face recognition on a camera and server involves careful selection and integration of hardware and software components to create a robust and efficient system. This document describes the step-by-step guide to set up face recognition on **A952**, **A426**, or **A826** and NVR3, which involves setting the camera first then the server.

## Camera Setting



1. Go to **System > Events > Video Analytics**.
2. On **Video Analytics**, select video “1” or video “2” to assign this face recognition event.
3. On **Selected Behaviors**, select “**Face Recognition**”.
4. Click “**On**”.

5. On **Behavior Specific Settings**, click **Edit**.

**Behavior Specific Settings**

**DataBase Setting:**  
DataBase upload:  No file chosen   
DataBase status: User:9, Group:2

**Recognition Setting:**  
Recognition threshold:

6. On the **User List** section, click **Add User**.

**User List**

Data per page:

User name:

No.	Name	Description	Group	Edit	Del.
1	Bella				<input type="checkbox"/>
2	Carolos				<input type="checkbox"/>
3	Jeff				<input type="checkbox"/>
4	Roddy		Roddy		<input type="checkbox"/>
5	Shong		White		<input type="checkbox"/>
6	Will				<input type="checkbox"/>
7	Zac				<input type="checkbox"/>
8	noi				<input type="checkbox"/>
9	norman		White		<input type="checkbox"/>

Page

7. Enter the user's name into **Name** and fill in the **Description**, as needed.


**Add User**

Name:

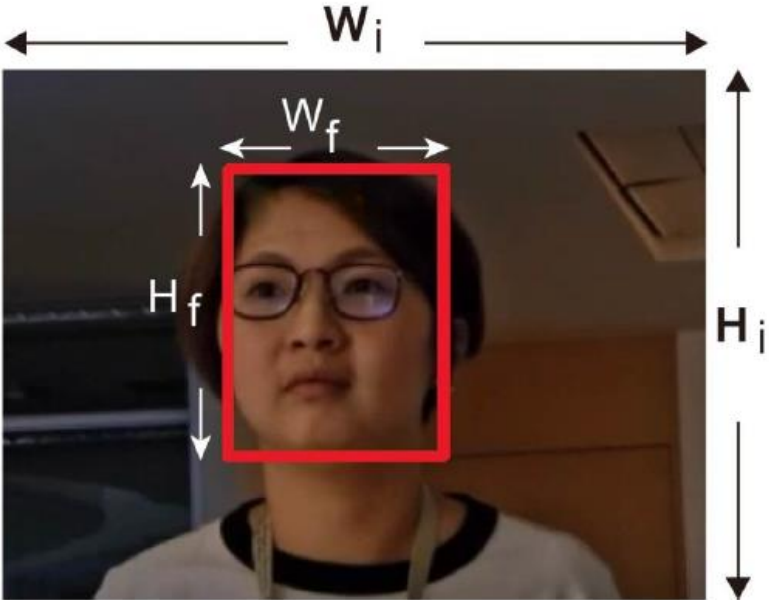
Description:

Group:  Select All

Face Image List

8. Click  and choose the image files of the user. Upload **at least three (3) images** of the user's face.

The face must take up at least 12% and at most 25% of the image. **See the formula below on how to calculate the percentage range.** More images with multiple angles (both eyes should be revealed) or various looks of the user, e.g. with or without eyeglasses, with different hairstyles, etc., are preferred.



Formula:  
 $(\text{Width } f \times \text{Height } f) / (\text{Width } i \times \text{Height } i) =$   
The percentage of the face (f) taking up space in an image (i)

The supported image formats are: JPEG, PNG, BMP.

Recommended image size is between 200 x 200 to 1920 x 1080 pixels.

9. Click **Save** to save and apply the settings. Repeat the same process to add more users.

10. After finishing adding the users, click **List by Group** from the **User List** section.

**User List**

Data per page 10 ▾

User name  Search

No.	Name	Description	Group	Edit	Del.
1	Bella				<input type="checkbox"/>
2	Carolos				<input type="checkbox"/>
3	Jeff				<input type="checkbox"/>
4	Roddy		Roddy		<input type="checkbox"/>
5	Shong		White		<input type="checkbox"/>
6	Will				<input type="checkbox"/>
7	Zac				<input type="checkbox"/>
8	noi				<input type="checkbox"/>
9	norman		White		<input type="checkbox"/>

Page 1 ▾

Add User Delete User List By Group Apply

11. On the **Group List** section, click **Add Group**. Then, select the group members to add into the group.

**Group List**

Data Per Page 10 ▾

Group Name  Search

No.	Group	Name	Edit	Del.
N/A	N/A	N/A	N/A	N/A

Page 1 ▾

Add Group Delete Group List By Name Apply

12. Click **Apply** to save the settings.

13. Click or and draw a zone of interest. Click to define the minimum and maximum size of objects.

**Video Analytics**

Video Analytics Profile Default ▾

Video Analytics 1 ▾

Selected Behaviors Face Recognition ▾

Off

14. Select the group(s) from **Group List**. When a detected User is in the group that you selected, the camera will trigger the event.

**Zone Settings**

**Zone Settings:**  
 Name: Zone 2  
 Dwell time: 1 seconds

**Zone List:**  
 Zone 1  
 Zone 2

**Group List:**  
 Roddy  
 White  
 Select All

15. Setup what behaviors to take when an event occurs under **Triggered Action & File Name** section.
16. Click **Save** to apply the settings.

## NVR Setting

1. Please make sure the NVR3 version is at least NVR3 Corporate v3.0.16.71 Alpha Release (x64).
2. Add the camera to the NVR through ONVIF.
3. Setup **Face Identified** Event and Response.

**Event Edit : 1 A952** Event Name: Face Identified

**Action**

- Focus**
  - Pop-up: Type: Video, Target: 1\_A952, Duration (secs): 5, Confirm:  Specific User Group: Select User Group
  - Hot-spot: Type: Video, Target: 1\_A952, Duration (secs): 5
  - Switch View: Group: All cameras, View: A711+2952, Duration (secs): 5
  - PTZ**
    - Goto Preset: Target: , Media: , Preset: , Duration (secs): 10, Then go to Preset:

**Upload**

- Upload Snapshot to FTP**
  - Upload Snapshot to FTP: Server: , Port: 21, Account: , Password: , Mode: Passive Mode, Remote Folder:
- Mail**
  - Send Mail: To: , Subject: , Content:

Buttons: Reset, Cancel, Apply

4. After all the settings, you will receive **"Face Identified"** event when the user in the selected group is detected.

