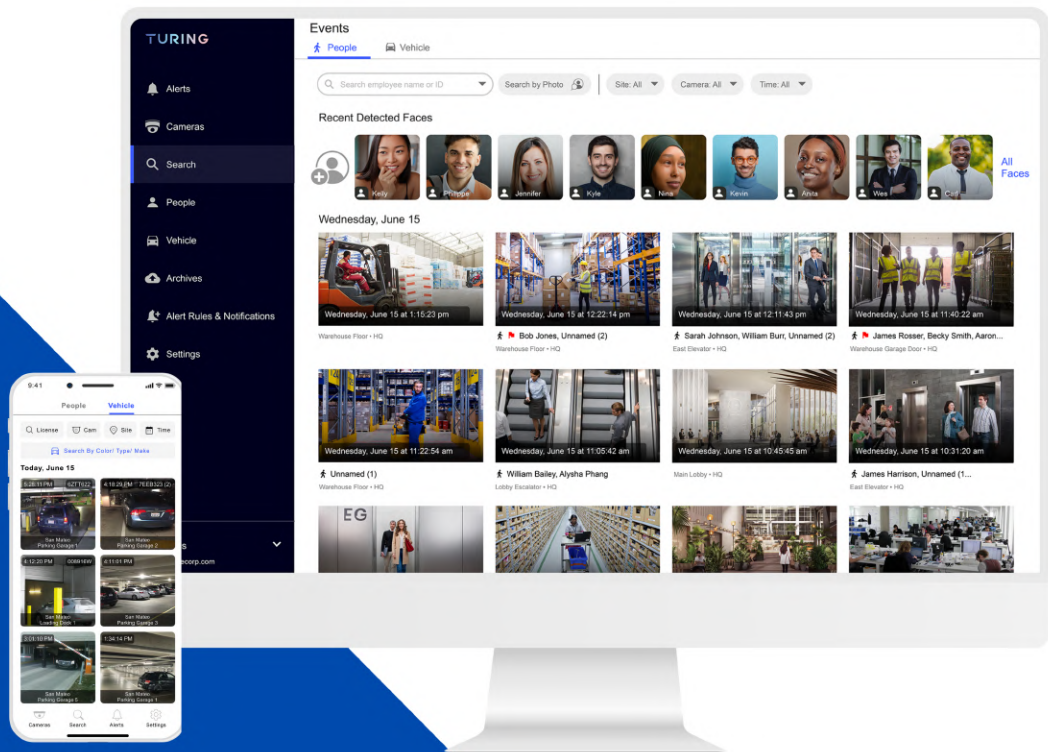
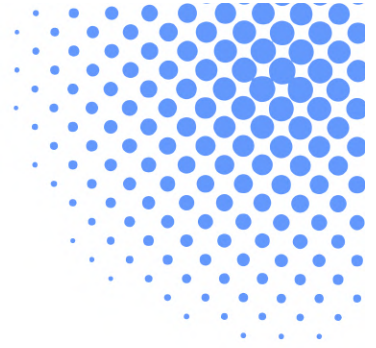


# TURING



## Turing Vision

# INTEGRATION GUIDE FOR DAHUA CAMERAS

## Adding Dahua Cameras to Turing Vision:

### Checklist, Installation Guide, and Video Tutorials

- [Dahua Camera Installation Steps](#)
  - [1. Download Dahua's Config Tool](#)
  - [2. Initialize Camera](#)
  - [3. Set Camera's IP Address](#)
  - [4. Access Dahua camera local Web UI](#)
  - [5. Verify Camera Encoding Settings](#)
  - [6. Enable Intrusion/Motion Detection](#)
  - [7. Connect Camera to NVR](#)
  - [8. Add Camera to Turing Vision Account](#)
- [Dahua Camera Installation FAQ](#)

## Dahua Camera Installation Steps

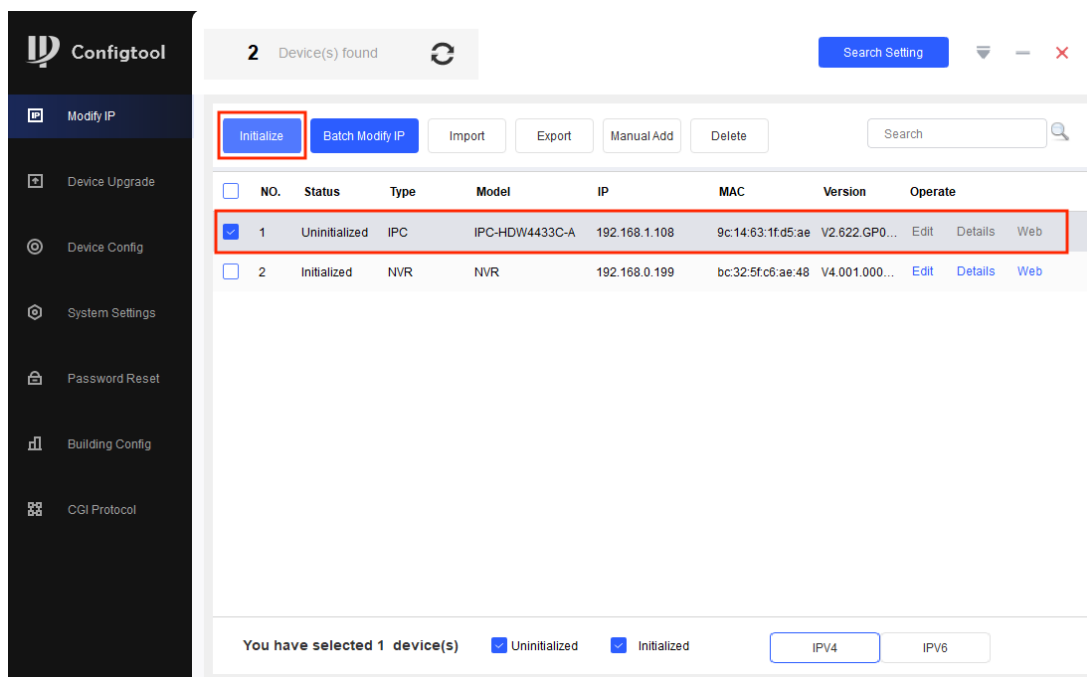
- Download Dahua's Config Tool

<https://dahuawiki.com/ConfigTool>

- Initialize Camera

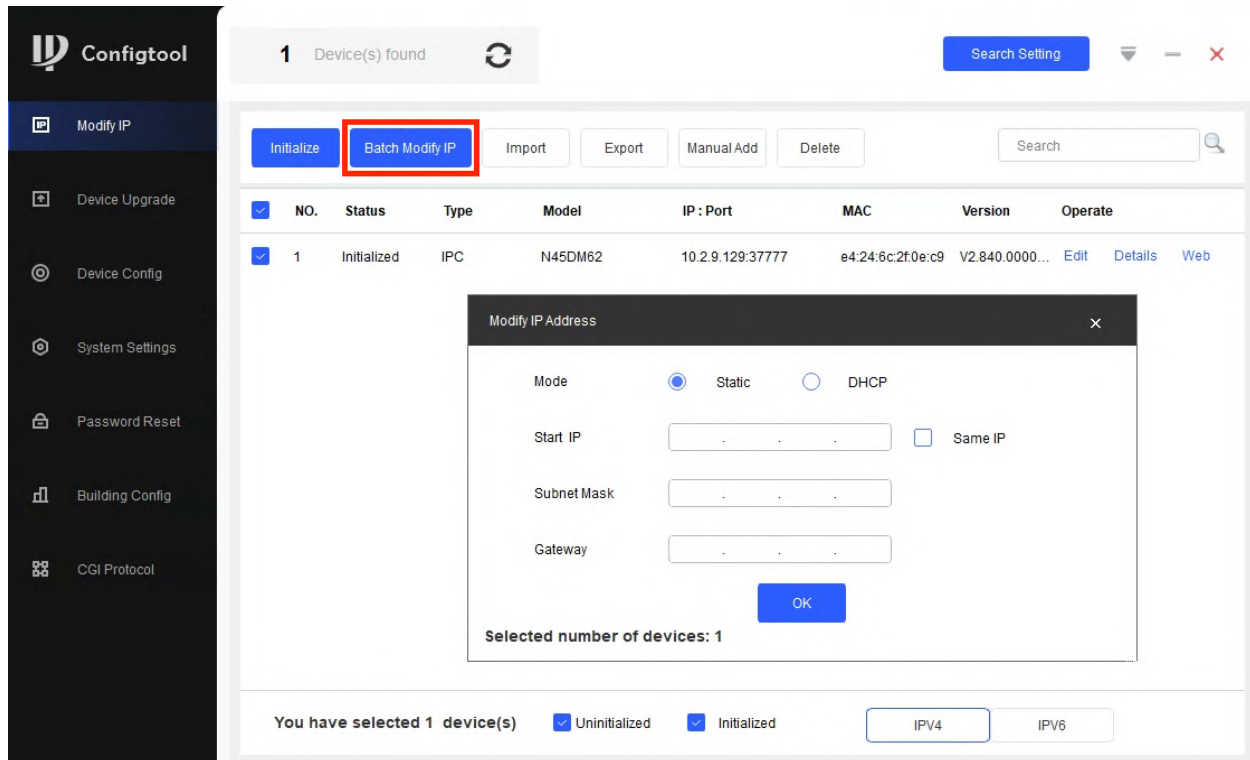
**i** This step is only needed if you are installing a brand-new, factory-set Dahua camera. If you are connecting a previously used Dahua camera to a Turing Smart NVR, you can skip this section.

- Connect your camera to the same network as your PC
- Open Dahua Config Tool
- Select your camera. It should show an Uninitialized status
- Click the Initialize button and follow the on-screen steps to establish a new password



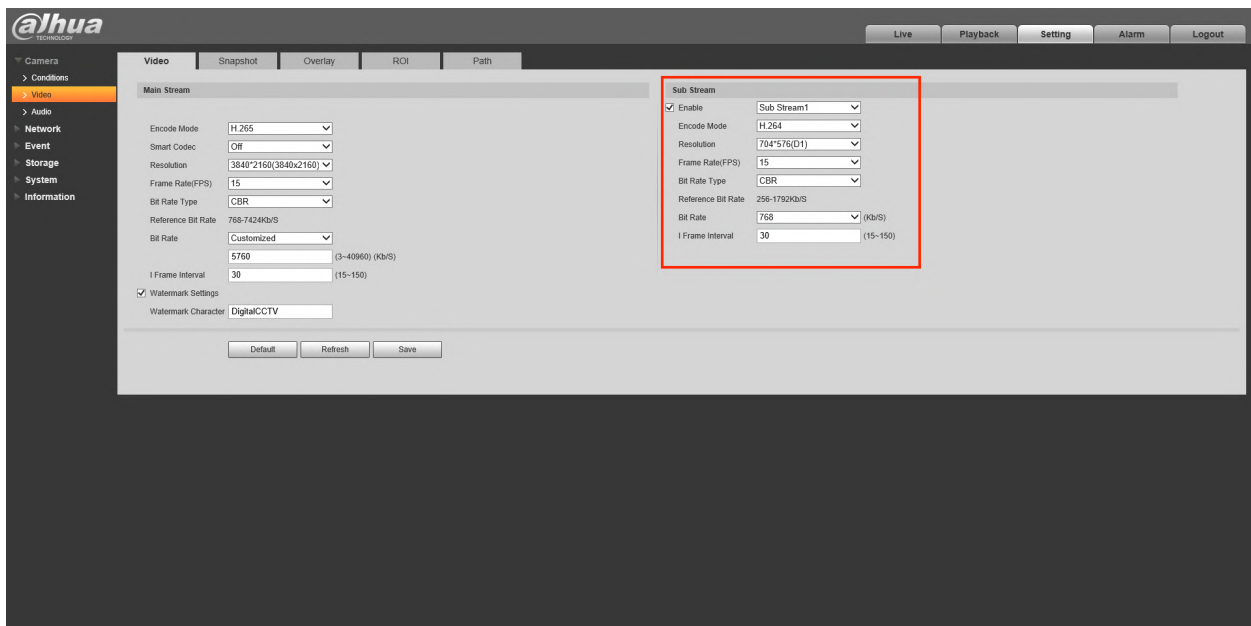
- **Set Camera's IP Address**

- Click the **Search Setting** button and update the **password** to your camera's new password. Click OK
- Select your camera and click **Batch Modify IP**



- Option 1: Enable DHCP
  - Select **DHCP** mode and click OK to save
- Option 2: Set Static IP
  - Select **Static** mode
  - Enter **Start IP**, **Subnet Mask**, and **Gateway**. Click OK to save.

- **Access Dahua camera local Web UI**
  - Take note of your camera's IP address on ConfigTool
  - Enter IP address of your camera on your preferred web browser
  
- **Verify Camera Encoding Settings**
  - Go to **Setting > Camera > Video**
  - Edit the encoding settings accordingly



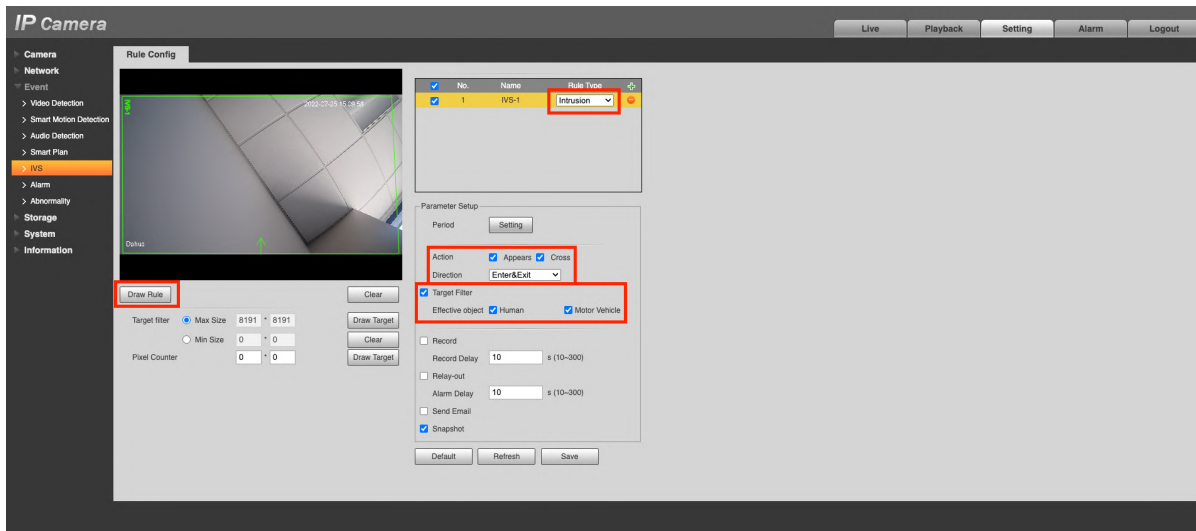
The recommended encoding settings are as follows:

|                                      | Main Stream | Sub Stream                                               |
|--------------------------------------|-------------|----------------------------------------------------------|
| <b>Encode Mode/Video Compression</b> | H.264       | H.264                                                    |
| <b>Resolution</b>                    | 1080P       | 720P or best resolution available with 16:9 aspect ratio |
| <b>Bitrate Type</b>                  |             | CBR                                                      |
| <b>Bit Rate</b>                      |             | 768                                                      |
| <b>Frame Rate (fps)</b>              |             | 15                                                       |
| <b>  Frame Interval</b>              |             | 30                                                       |

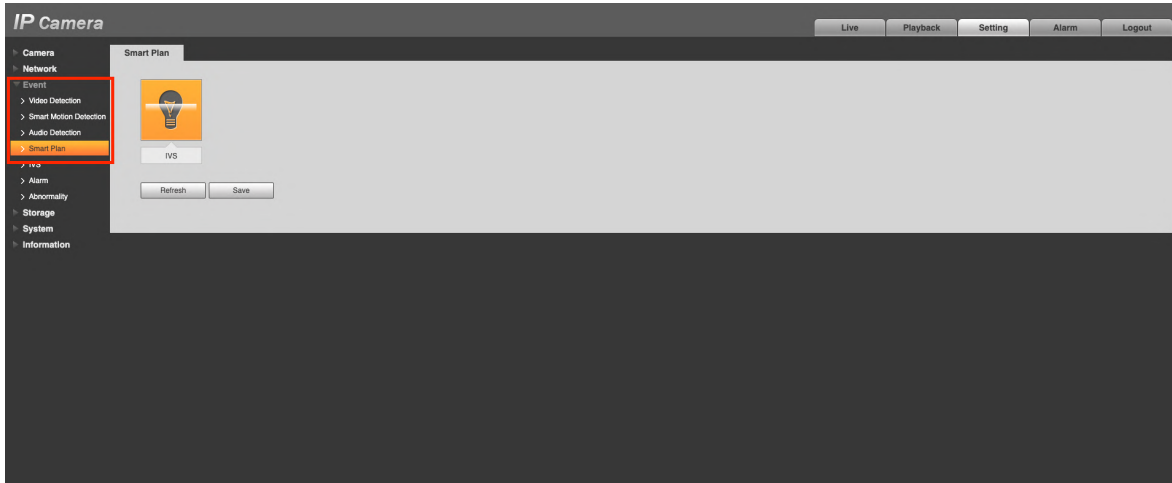
- **Enable Intrusion/Motion Detection**

**Intrusion Detection** is recommended for higher accuracy. If your camera(s) does not offer Intrusion, you can use **Motion Detection**.

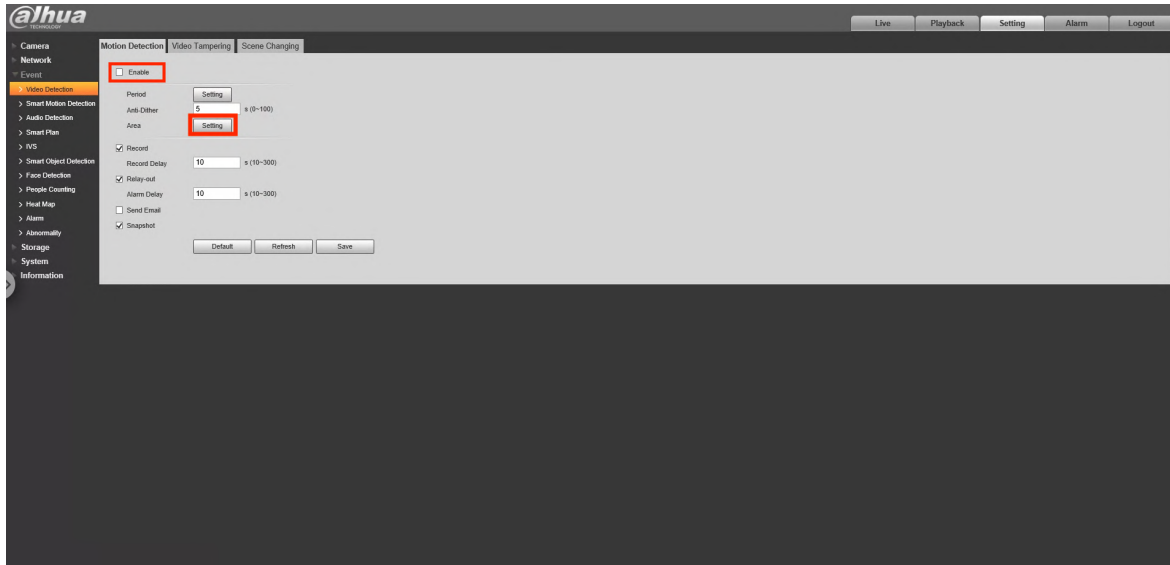
- Option 1: Enable Intrusion Detection (if available)
  - Go to **Settings > Event > IVS**
  - Click on the green + icon to add a new smart event rule
  - Set **Rule Type** to **Intrusion**. Edit **Action**, and **Target Filter** accordingly
  - Click **Draw Rule** to create/edit detection area
  - Click **Save** once all settings are updated



- Go to **Settings > Event > Smart Plan**. Click on the lightbulb icon to enable smart events.



- Option 2: Enable Motion Detection
  - Go to Setting > Event > Video Detection
  - Click **Enable** to turn on motion detection
  - Click on the **Setting** button to edit **Detection Zone**, **Sensitivity**, and **Threshold**

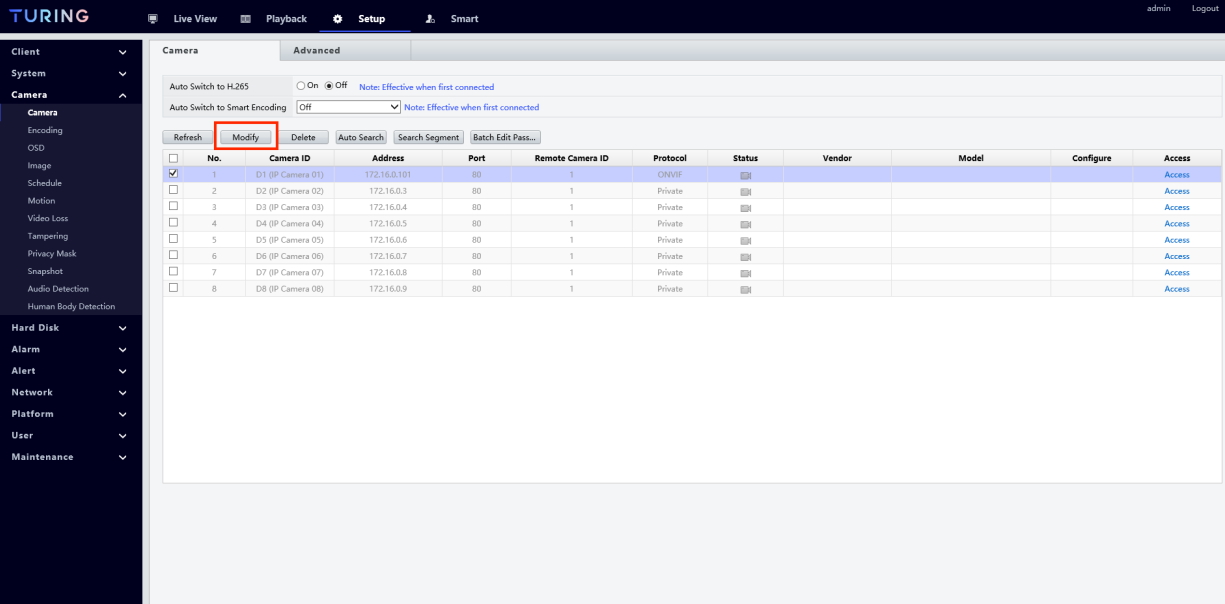


- Click Save once all settings are updated

- **Connect Camera to NVR**

**i** At this point, you can connect your camera directly to the Turing Smart NVR.

- Access the Turing Smart NVR's web UI
- Go under Setup > Camera > Camera
- Select your camera, and hit **Modify**



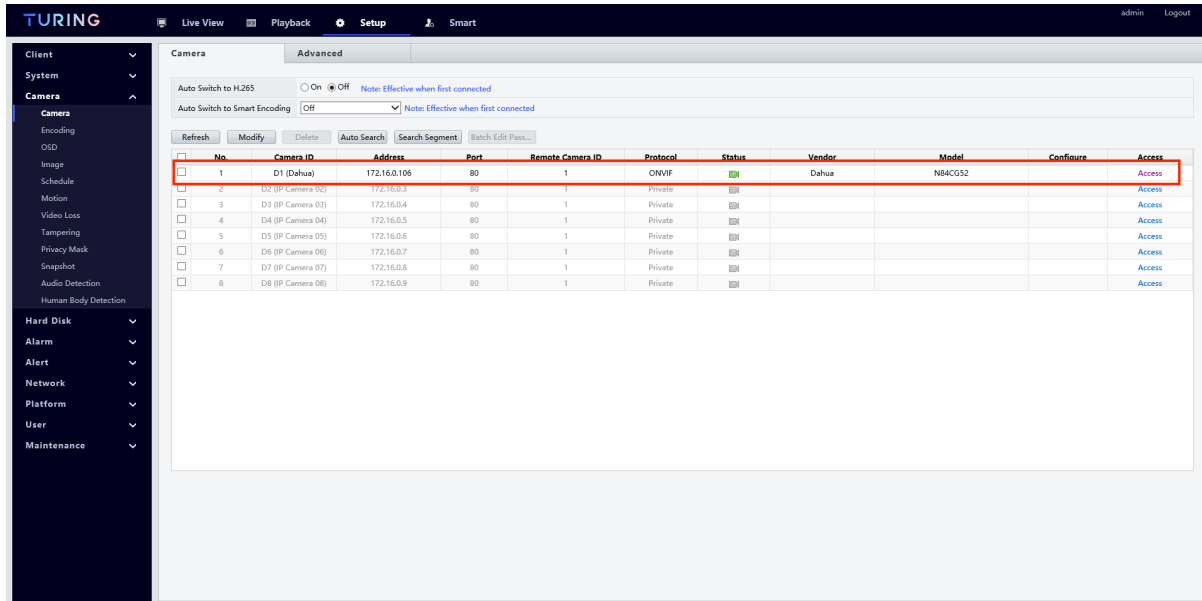
The screenshot shows the Turing Smart NVR web interface. The top navigation bar includes 'Live View', 'Playback', 'Setup', and 'Smart'. The left sidebar lists various system settings: Client, System, Camera, Encoding, OSD, Image, Schedule, Motion, Video Loss, Tampering, Privacy Mask, Snapshot, Audio Detection, Human Body Detection, Hard Disk, Alarm, Alert, Network, Platform, User, and Maintenance. The main content area is titled 'Camera' and shows a table of connected cameras. The 'Modify' button is highlighted with a red box.

| No. | Camera ID         | Address      | Port | Remote Camera ID | Protocol | Status | Vendor | Model | Configure | Access |
|-----|-------------------|--------------|------|------------------|----------|--------|--------|-------|-----------|--------|
| 1   | D1 (IP Camera 01) | 172.16.0.101 | 80   | 1                | ONVIF    | OK     |        |       |           | Access |
| 2   | D2 (IP Camera 02) | 172.16.0.3   | 80   | 1                | Private  | OK     |        |       |           | Access |
| 3   | D3 (IP Camera 03) | 172.16.0.4   | 80   | 1                | Private  | OK     |        |       |           | Access |
| 4   | D4 (IP Camera 04) | 172.16.0.5   | 80   | 1                | Private  | OK     |        |       |           | Access |
| 5   | D5 (IP Camera 05) | 172.16.0.6   | 80   | 1                | Private  | OK     |        |       |           | Access |
| 6   | D6 (IP Camera 06) | 172.16.0.7   | 80   | 1                | Private  | OK     |        |       |           | Access |
| 7   | D7 (IP Camera 07) | 172.16.0.8   | 80   | 1                | Private  | OK     |        |       |           | Access |
| 8   | D8 (IP Camera 08) | 172.16.0.9   | 80   | 1                | Private  | OK     |        |       |           | Access |

- Modify the **Username** and **Password**, using your camera's login credentials

The screenshot displays the Turing AI web interface. On the left is a dark sidebar with a menu containing categories like Client, System, Camera, Hard Disk, Alarm, Alert, Network, Platform, User, and Maintenance. The 'Camera' category is expanded, showing sub-options: Encoding, OSD, Image, Schedule, Motion, Video Loss, Tampering, Privacy Mask, Snapshot, Audio Detection, and Human Body Detection. The main content area is titled 'Camera' and has a sub-tab 'Advanced'. It contains several configuration fields: 'Add Mode' (set to 'Plug-and-Play'), 'Protocol' (set to 'ONVIF'), 'IP Address' (set to '172.16.0.101'), 'Port' (set to '80'), 'Username' (set to 'admin'), 'Password' (masked with '\*\*\*\*\*'), and 'Remote Camera ID' (set to '1'). The 'Username' and 'Password' fields are enclosed in a red rectangular box. Below these fields is an 'Extended Transmission' section with radio buttons for 'On' and 'Off', where 'Off' is selected. At the bottom of the form are 'Search', 'Save', and 'Cancel' buttons. The top of the interface shows navigation tabs for 'Live View', 'Playback', 'Setup' (which is active), and 'Smart', along with a user profile icon and 'Logout' link.

- Click Save when you are done modifying these settings
- Power cycle the camera and allow a few minutes for the camera to completely power on
- Click on the Refresh button. The camera icon should now be highlighted green, meaning your camera has successfully been added to the NVR.



## ● Add Camera to Turing Vision Account

- Install Turing Bridge in the same network as Turing Smart NVR
- Download Turing Video mobile app and/or go to Turing Vision website
- Login with your username and password
- Go to Settings > Add Cameras to add your cameras

## Dahua Camera Installation FAQ

**Q: Does the Turing Vision platform support Smart VCA Events from Hikvision camera?**

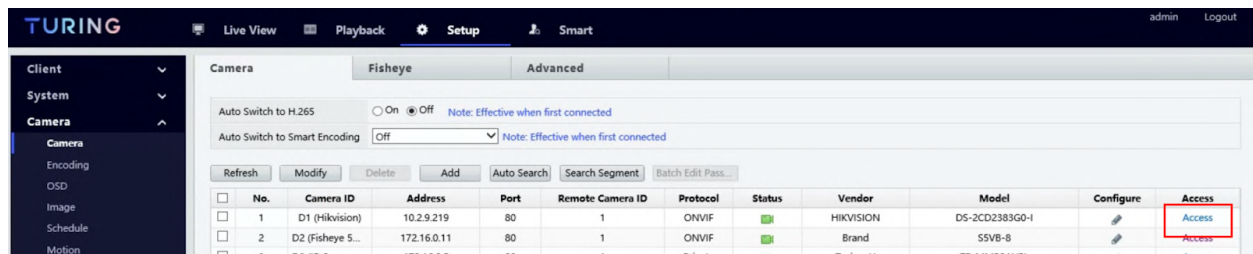
Yes, Turing Vision supports Intrusion Events from Dahua cameras.

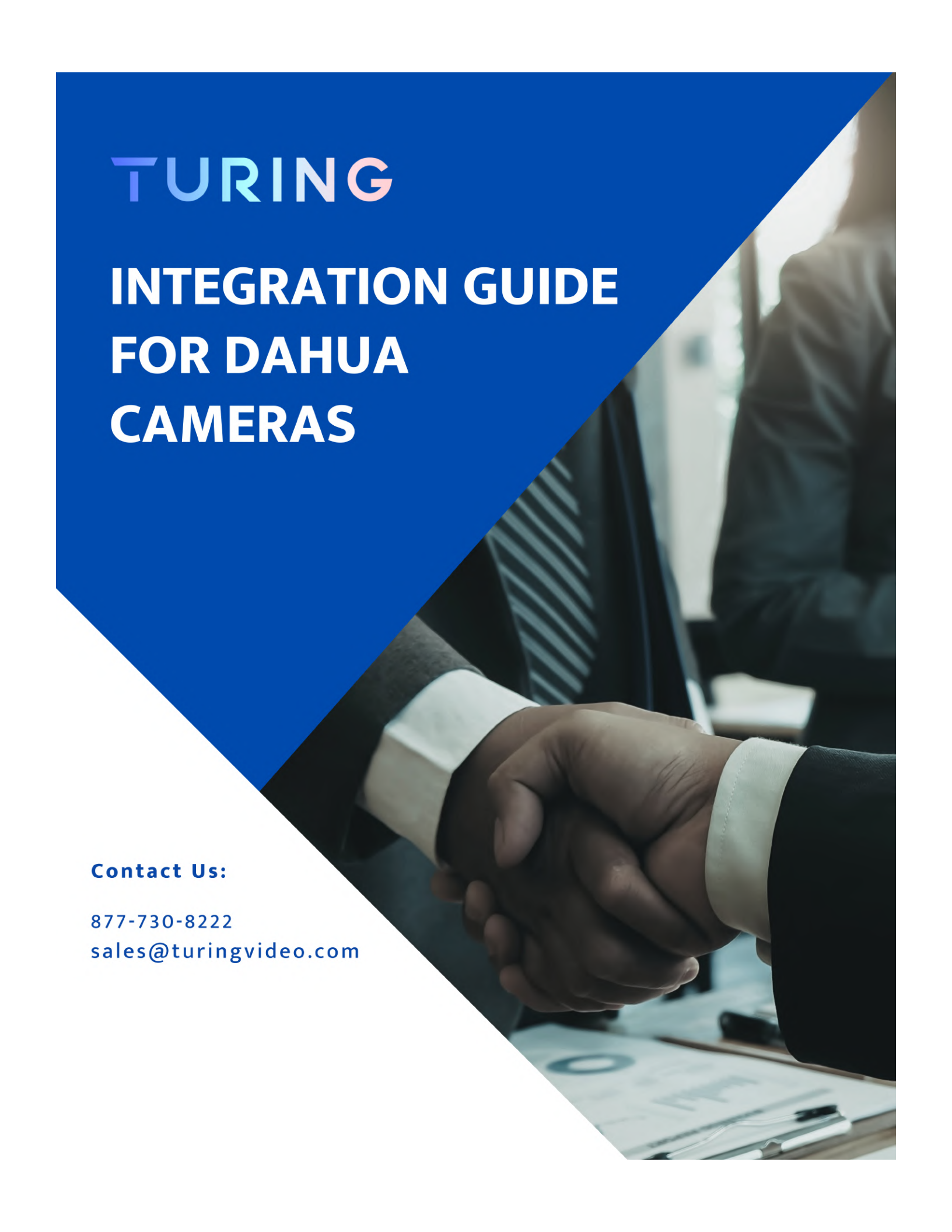
**Q: How can I find the IP address for my Dahua camera?**

If the camera is connected to the NVR or in the same network as NVR, go to NVR web UI under Setting > Camera > Camera and click on Auto Search button

**Q: How can I edit camera settings after connecting the camera to NVR?**

On NVR Web UI, go to Setup > Camera > Camera. Click the Access button to access individual camera settings directly.



A background image showing a close-up of two business people shaking hands. The person on the left is wearing a dark suit and a striped tie. The person on the right is wearing a dark suit. They are shaking hands over a desk with some papers and a pen. The image is partially covered by a large blue diagonal shape on the left side.

**TURING**

# **INTEGRATION GUIDE FOR DAHUA CAMERAS**

**Contact Us:**

877-730-8222

[sales@turingvideo.com](mailto:sales@turingvideo.com)