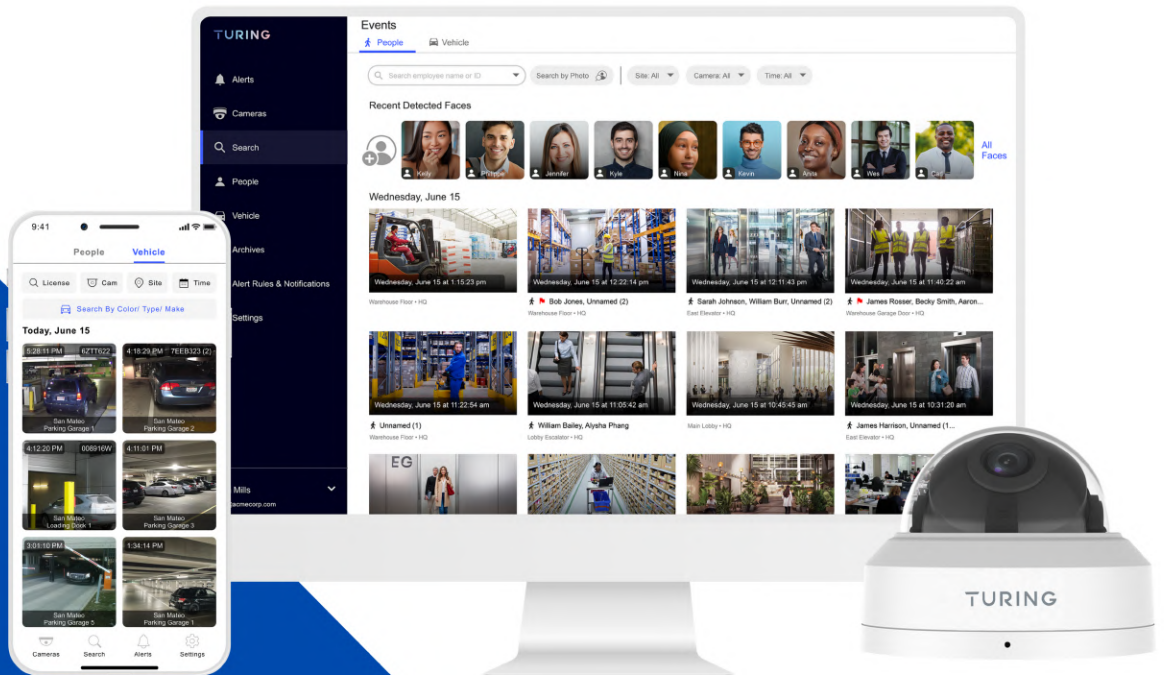
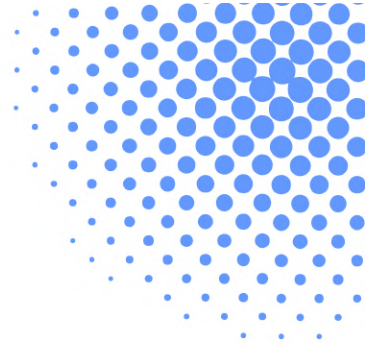


TURING



Turing Vision

Scenario 3

**USING BOTH
HIKVISION AND TURING
NON-PLUG-AND-PLAY NVRS**

Adding Hikvision Cameras to Turing Vision:

Using both Hikvision and Turing non-Plug-and-Play NVRs

- [**Scenario 3: Install a Turing 32/64CH NVR at the job site and connect cameras via LAN.**](#)
 - [1. Access the Hikvision NVR web UI](#)
 - [2. Verify/Modify Camera's Encoding Settings](#)
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Scenario 3: Install a Turing 32/64CH NVR at the job site and connect cameras via LAN.

 Only for non-Plug&Play NVRs

1. Access the Hikvision NVR web UI

- Locate your Hikvision NVR's IP address
- Type IP address into a web browser

2. Verify/Modify Camera's Encoding Settings

- Go to **Configuration > Video/Audio**
- Modify the encoding settings to the Turing recommended settings shown below and Save



Tip: Use “Copy To” option to modify all cameras needed simultaneously

	Main Stream	Sub Stream
Video Compression	H.264	H.264
Resolution	Less than 3MP (2MP is recommended)	1280x720 (720P)
Bitrate Type	CBR	CBR
Bit Rate	Less than or equal to 2048	Less than or equal to 768
Frame Rate	15	15
Frame Interval	30	30

 Make sure to **disable H.264+** if available

 Please note, if you will be leaving the cameras connected to the Hikvision NVR as well as the Turing NVR, ensure that any modifications made to the encoding settings are done from the Hikvision NVR. The Hikvision NVR repeatedly pushes encoding settings to its cameras, so it would not be enough to change it from Turing NVR.

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3. 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
 - Go to **Configuration > Event > Smart Event > Intrusion**
 - Toggle ON Intrusion Detection and draw detection zone

- Option 2: Enable Motion Detection
 - Go **Configuration > Event > Basic Event > Motion**
 - Toggle ON Motion Detection and draw detection zone

4. Enable ONVIF & Hikvision-CGI

- Go to Configuration > System > Camera Management
- Click on the link under the **Connect** column to access the camera's web UI



Tip: If no link is displayed under the Connect column, go to Network > Advanced Configurations > Other and toggle ON Virtual Host

- Login to camera's web UI and go to Configuration > Network > Advanced Settings > Integration Protocol
- Toggle ON Hikvision-CGI and ONVIF checkboxes
- Click Add to create a new ONVIF user and set the level to administrator

5. Connect POE switch to LAN2 port on Turing NVR

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6. Add Cameras to Turing NVR

- Access Turing NVR web UI

 Turing Smart NVR's default internal gateway is set to 192.168.0.1. If your cameras are under a different gateway, please adjust the NVR's internal gateway

- Go to **Setup > Network > TCP/IP**
- Select **NIC2**, disable **DHCP**, and set the appropriate **IP address**, **subnet mask** and **gateway**

- Go to Setup > Network > TCP/IP
- Change Select NIC to NIC2
- Modify network settings and Save



Tip: This should match the settings on your Hikvision NVR under Network > Basic Settings > LAN2

- Go to Setup > Camera > Camera
- Click Auto Search
- Click the pencil icon next to your camera(s) and edit username and password using the camera's ONVIF credentials
- Select your camera(s) and click OK to add

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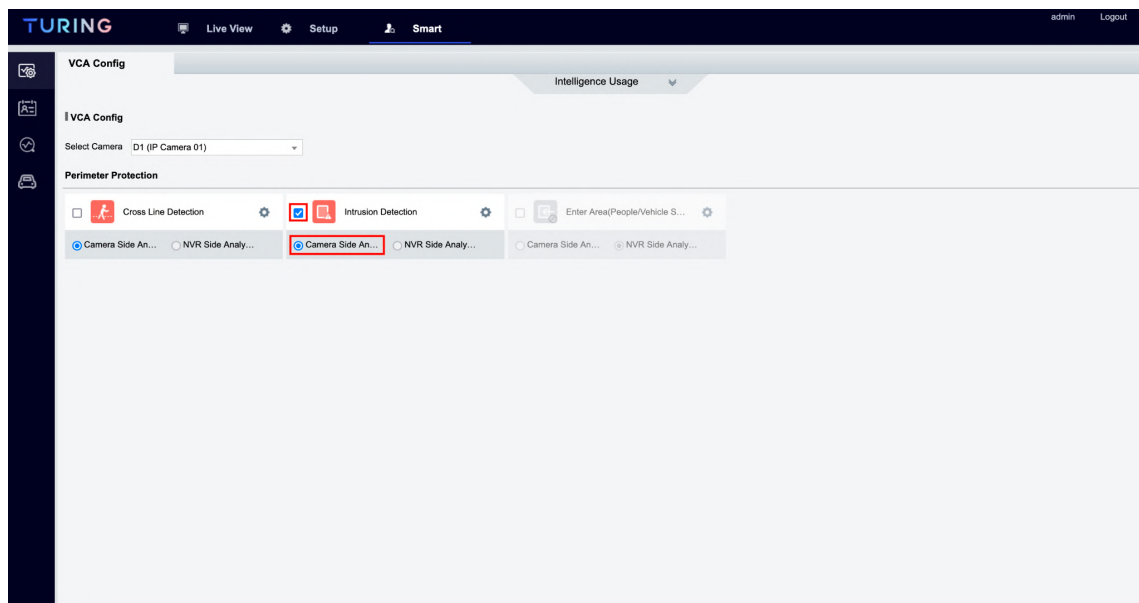
7. Enable NTP Server on Turing NVR

- GO to **Setup > System > Time**
- Select **ON** for Auto Update
- Set **NTP Server Address** to time.nist.gov and Save

8. Enable Intrusion on Turing NVR

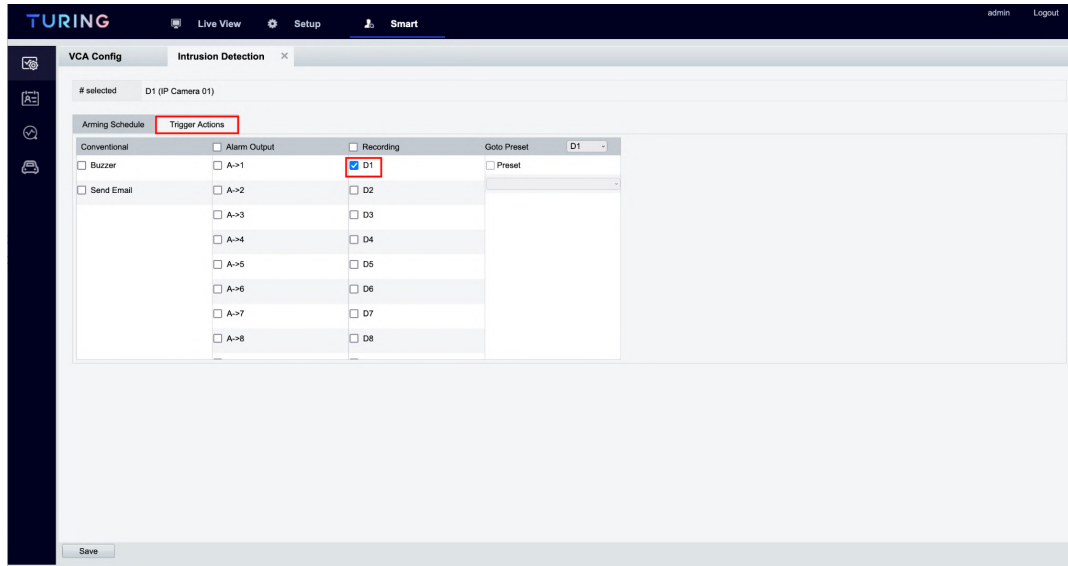
i Only applies if using NVR version 220811 or newer

- Go to Smart tab and select your camera from the dropdown menu
- Click the checkbox on Intrusion Detection to enable it and make sure Camera Side Analytics is enabled, if not already



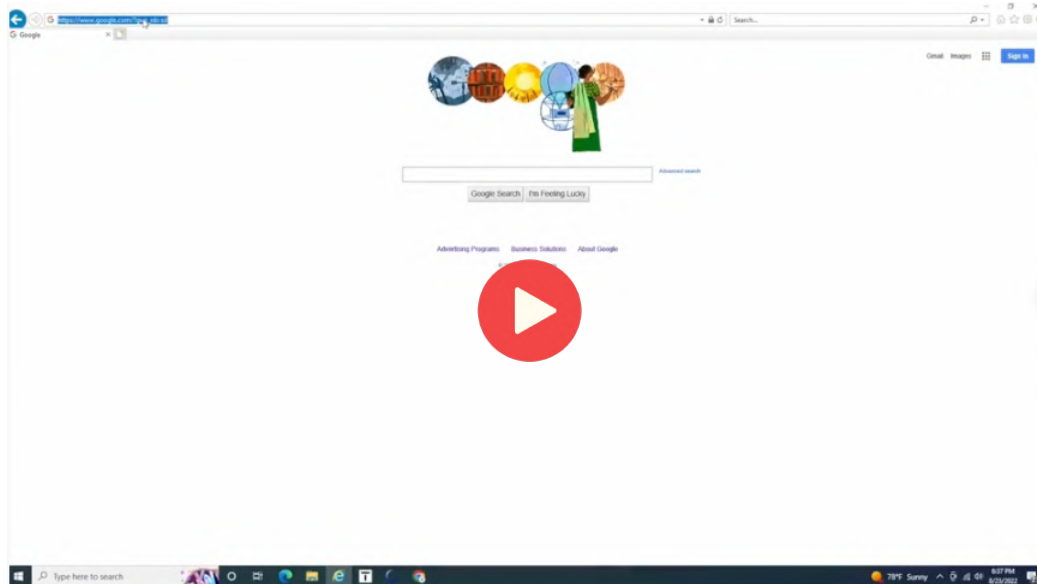
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- Click on the Gear Icon, go to Trigger Actions and enable recording for your camera



9. Installation Video

[Click here to watch the installation video](#)



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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

**HIKVISION
LEGACY CAMERA
INTEGRATION GUIDE**

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