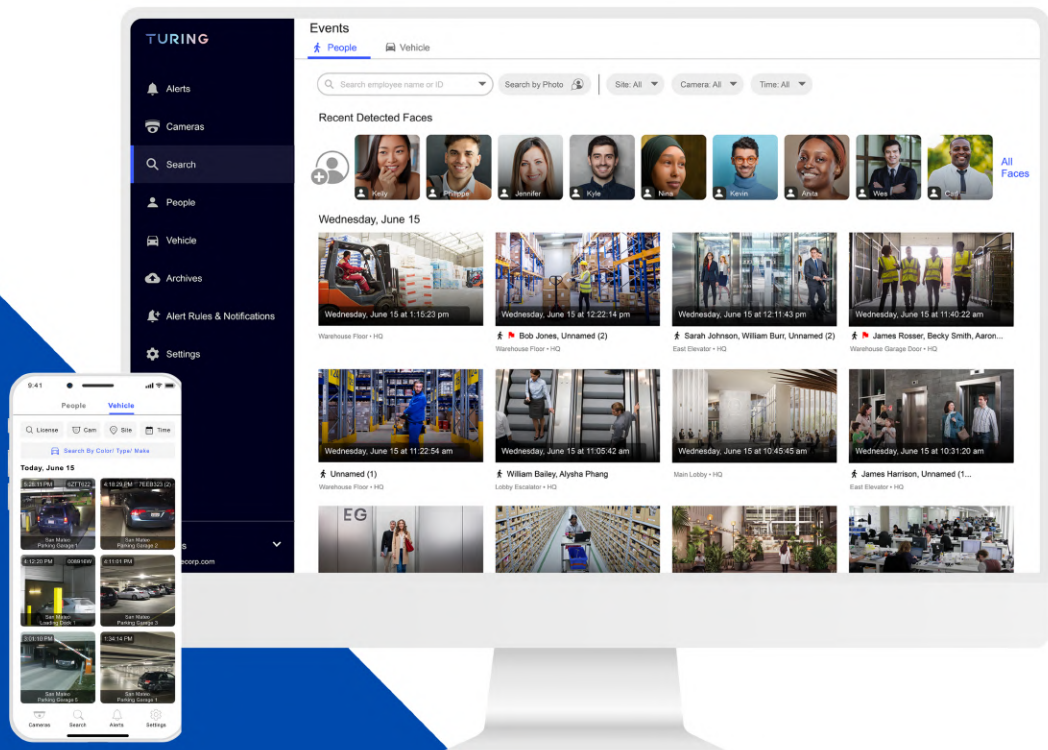
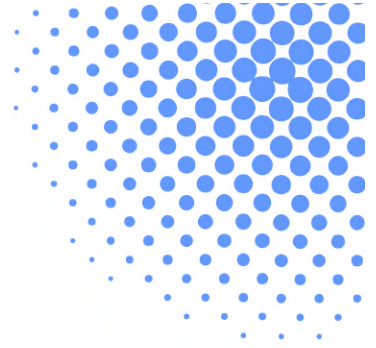


TURING



Turing Vision

INTEGRATION GUIDE FOR HIKVISION CAMERAS

Replacing Hikvision Plug-and-Play NVR with Turing

Adding Hikvision Cameras to Turing Vision:

Replacing Hikvision Plug-and-Play NVR with Turing

- [Getting ready for the job](#)
- [On-site Installation Guide and Video Tutorials_Scenario 1: Move Hikvision cameras from the Hikvision PoE NVR to a Turing PoE NVR.](#)
 - [1. Access the Hikvision NVR web UI](#)
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 - [3. Enable Intrusion/Motion Detection](#)
 - [4. Enable ONVIF & Hikvision-CGI](#)
 - [5. Move camera connections from Hikvision to Turing NVR](#)
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Getting ready for the job

- ☐ Get the Hikvision camera and NVR admin passwords from your customer.



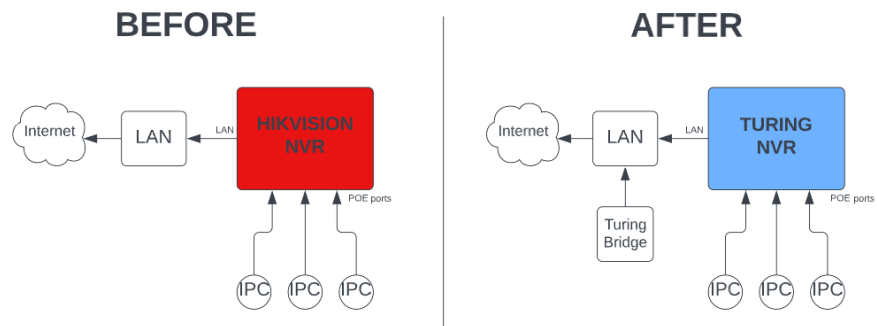
You will save a lot of time on site if you get the information before installation.

- ☐ [Check whether the Hikvision camera model\(s\) are supported by Turing Core AI.](#)
- ☐ Redeem your Core AI license keys or purchase Core AI licenses on the Partner Portal.
- ☐ Create your customer account on the Partner Portal.
- ☐ Add the Turing NVR and Bridge to your customer's Vision account and activate and update them.
- ☐ Find out which installation setup applies to the job and familiarize yourself with the steps.
 - **Scenario 1: Move Hikvision cameras from the Hikvision PoE NVR to a Turing PoE NVR.**
 - [View full instruction](#)
 - [Watch Video Tutorial](#)
 - **Scenario 2: Install a Turing PoE NVR at a job site where Hikvision cameras are connected to a Hikvision PoE NVR and keep both NVRs active.**
 - Install Hikvision's [Batch Config Tool](#) on your computer
 - [View full instruction](#)
 - [Watch Video Tutorial](#)
 - Obtain an additional POE switch to power cameras
 - **Scenario 3: Install a Turing 32/64CH NVR at the job site and connect cameras via LAN.**
 - [View full instruction](#)
 - [Watch Video Tutorial](#)

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On-site Installation Guide and Video Tutorials

- **Scenario 1: Move Hikvision cameras from the Hikvision PoE NVR to a Turing PoE NVR.**



1. Access the Hikvision NVR web UI

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

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2. Verify/Modify Camera's Encoding Settings

- Go to Configuration > Video/Audio
- Modify the encoding settings to the Turing recommended settings 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

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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

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5. Move camera connections from Hikvision to Turing NVR

6. Add cameras to Turing Smart NVR

- Access your Turing NVR web UI by entering its IP address into a web browser

 Turing Smart NVR's default internal gateway is set to 172.16.0.1. If your cameras are under a different gateway, please adjust the NVR's internal gateway

- Go to **Setup > Network > TCP/IP**
- Modify **PoE NIC IP Addr.** to match camera's gateway

- Login and go to **Setup > Camera > Camera**
- Select the channel and click Modify
- Enter your camera's ONVIF login credentials and Save
- Power cycle the camera

7. Enable NTP Server on Turing NVR

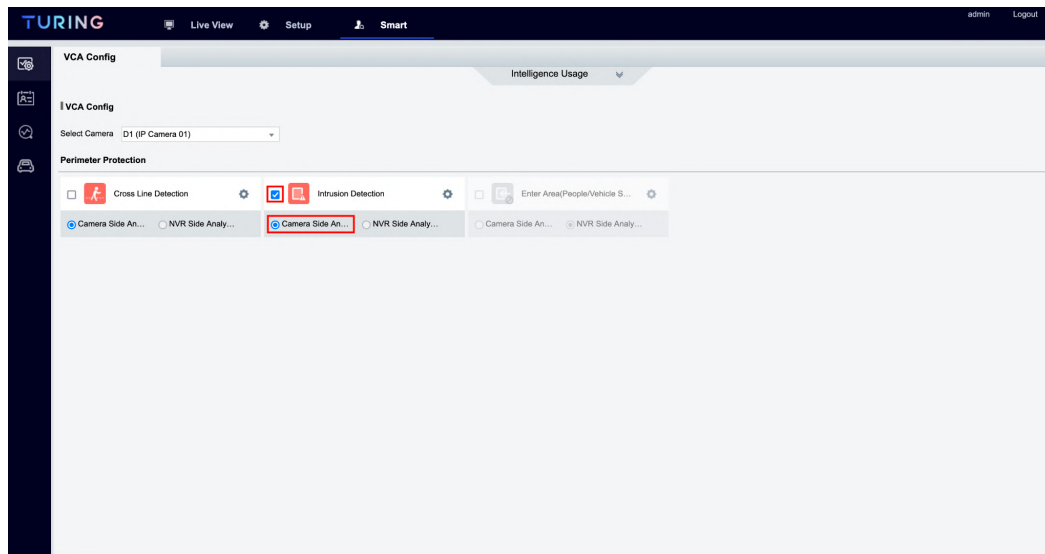
- GO to **Setup > System > Time**
- Select **ON** for Auto Update
- Set **NTP Server Address** to time.nist.gov and Save

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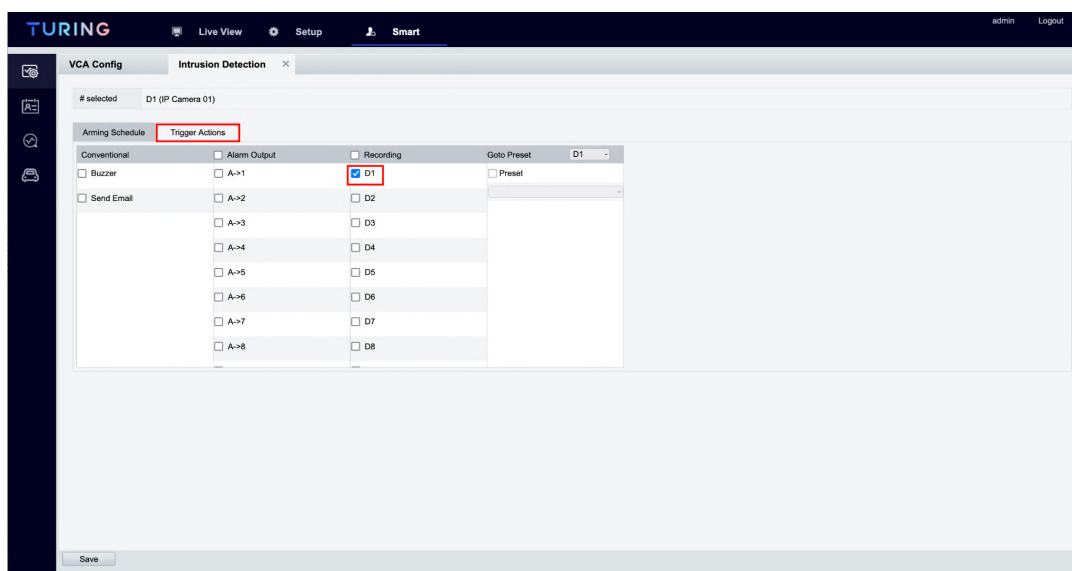
8. Enable Intrusion on Turing NVR

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



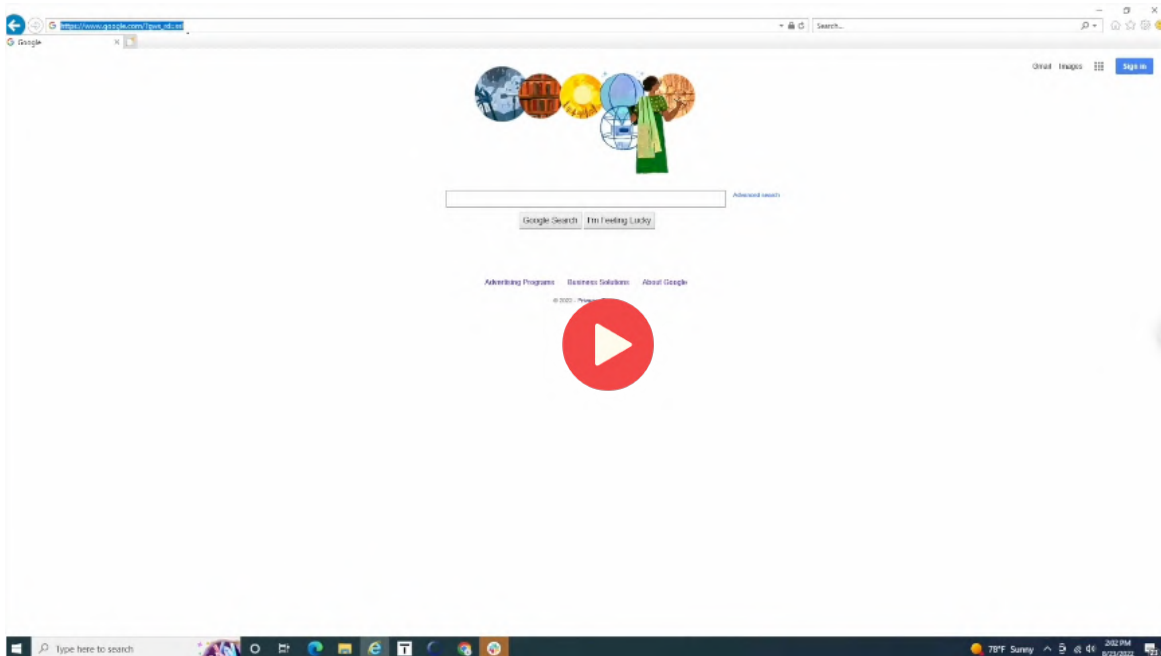
- Click on the **Gear** Icon, go to **Trigger Actions** and enable recording for your camera



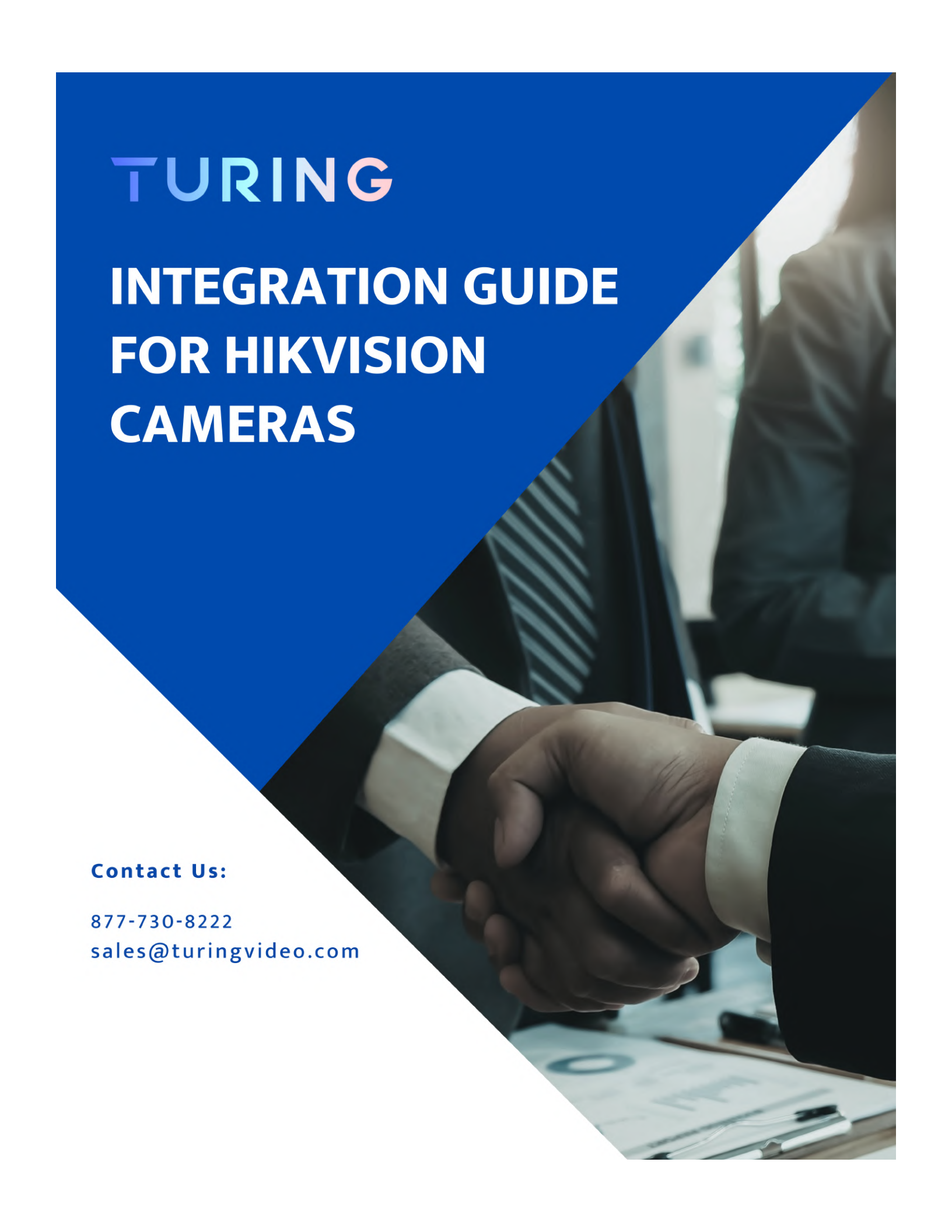
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9. Installation Video

[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

INTEGRATION GUIDE FOR HIKVISION CAMERAS

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