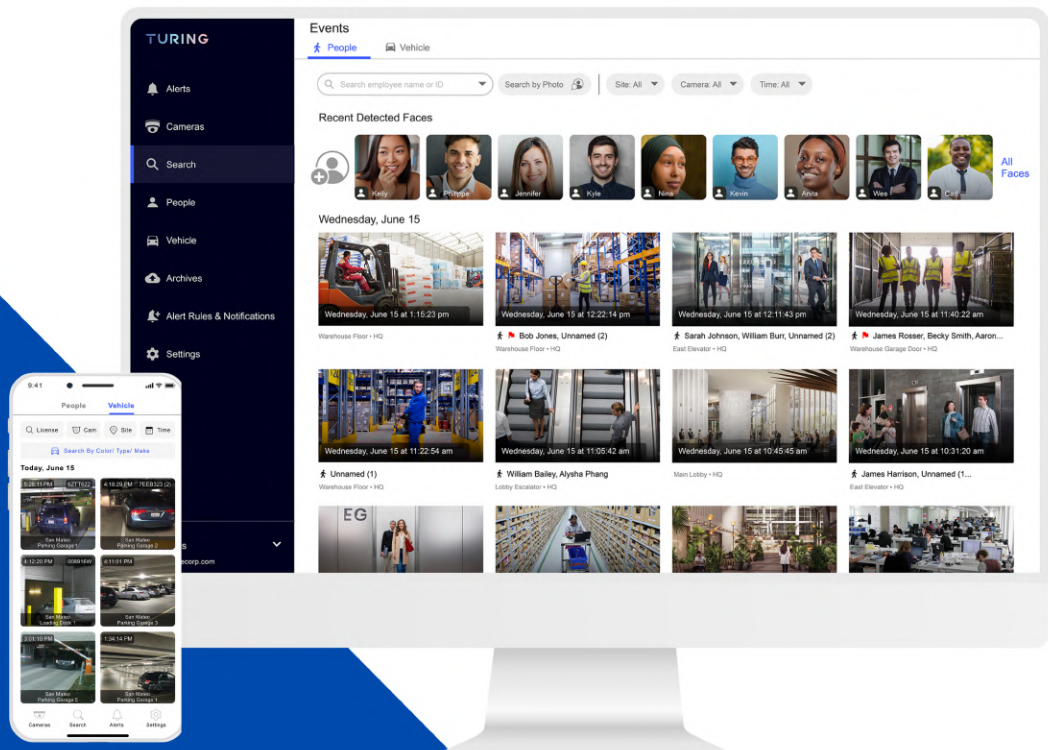
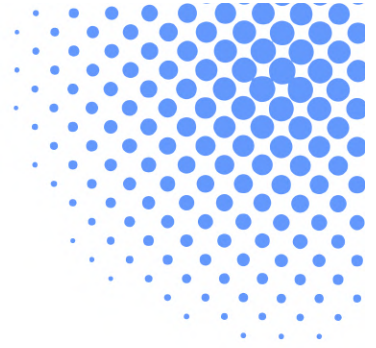


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Turing Vision


INTEGRATION GUIDE FOR HANWHA CAMERAS

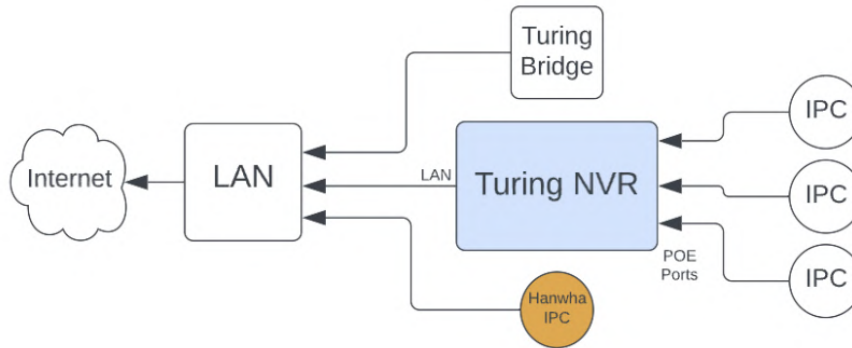
Adding Hanwha Cameras to Turing Vision:

Checklist, Installation Guide, and Video Tutorials

- [Hanwha Camera Installation Steps](#)
 - [1. Access Camera's Web UI](#)
 - [2. Initialize Camera](#)
 - [3. Verify/Modify Camera Encoding Settings](#)
 - [4. Enable Motion Detection](#)
 - [5. Connect & Add Camera\(s\) to Turing NVR](#)
- [Installation Video](#)
- [Hanwha Camera FAQs](#)


Hanwha Camera Installation Steps

 For Steps 1-4 , please connect your camera directly to LAN, as shown below



- **Access Camera's Web UI**

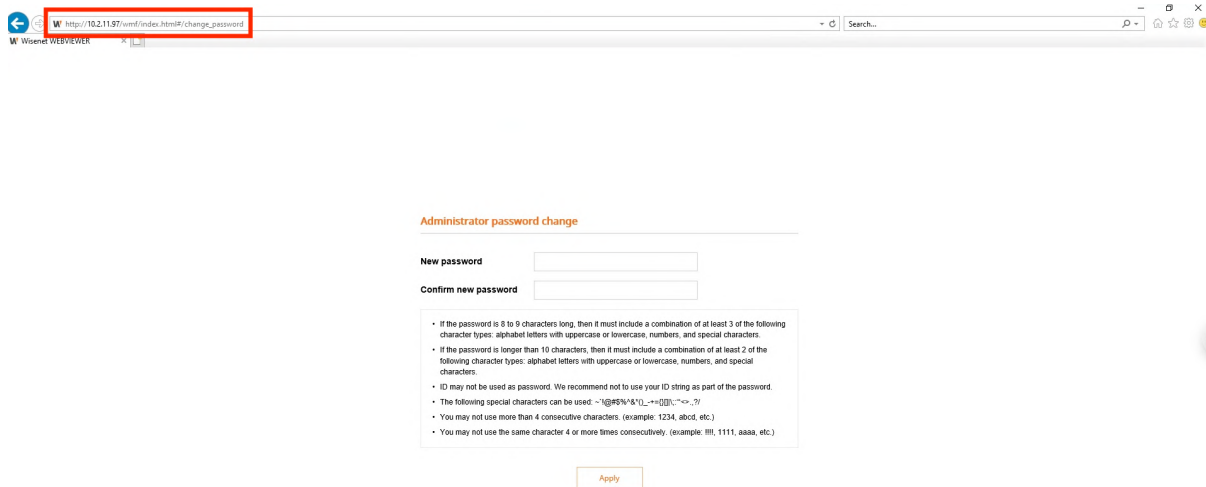
- Locate your camera's IP Address

 **TIP:** On Turing Smart NVR, use **Auto Search** under Settings > Camera > Camera to find your camera's IP address

- Enter your camera's IP address into browser search bar

- **Initialize Camera**

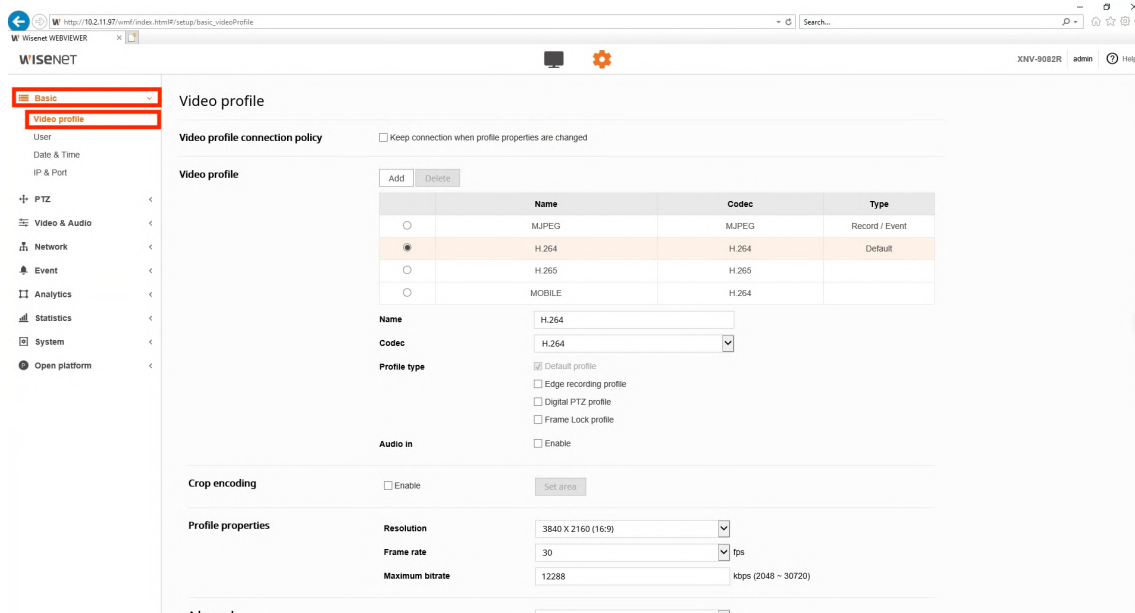
- On a factory-defaulted camera, the web UI will prompt you to create a new password for your camera
- Click **Apply** to initialize camera(s)



TIP: If installing multiple, use [Wisenet's Device Manager](#) to initialize and modify network settings

- **Verify/Modify Camera Encoding Settings**

- Go to **Basic > Video Profile**
- Modify the encoding settings to the Turing recommended settings



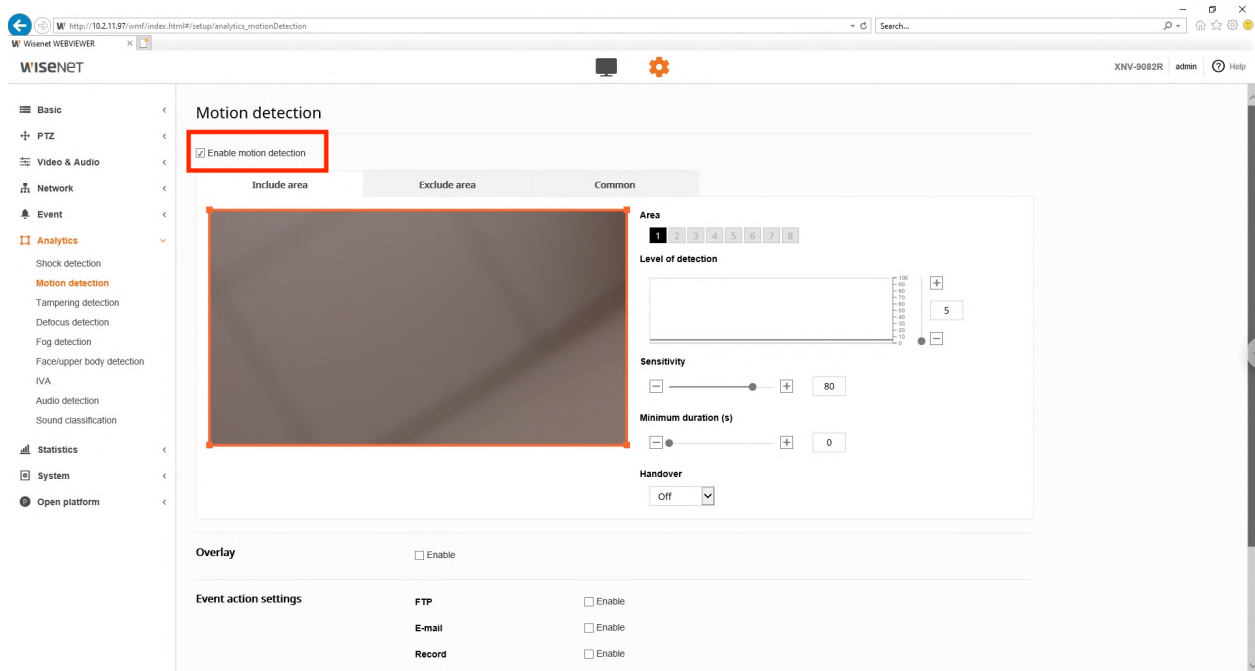
i MJPEG profile is **not** used by the NVR.

On the Turing NVR, **"H.264" profile** is considered **Main Stream**, and **"H.265" profile** is considered **Sub Stream**.

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

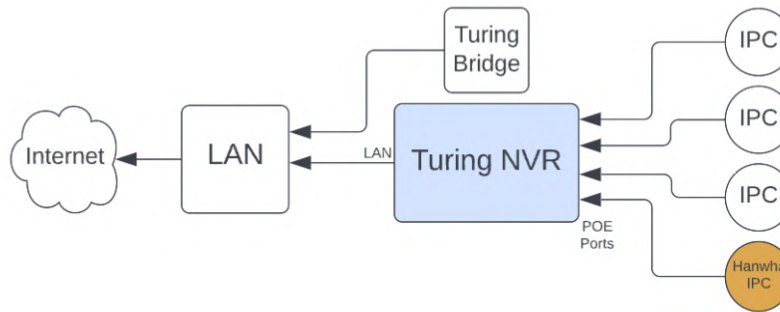
- **Enable Motion Detection**

- Go to **Analytics > Motion Detection**
- Click the **Enable motion detection** checkbox
- Edit the **detection area**, **level of detection**, **sensitivity** and **minimum duration** as desired
- Click **Apply** to save all settings



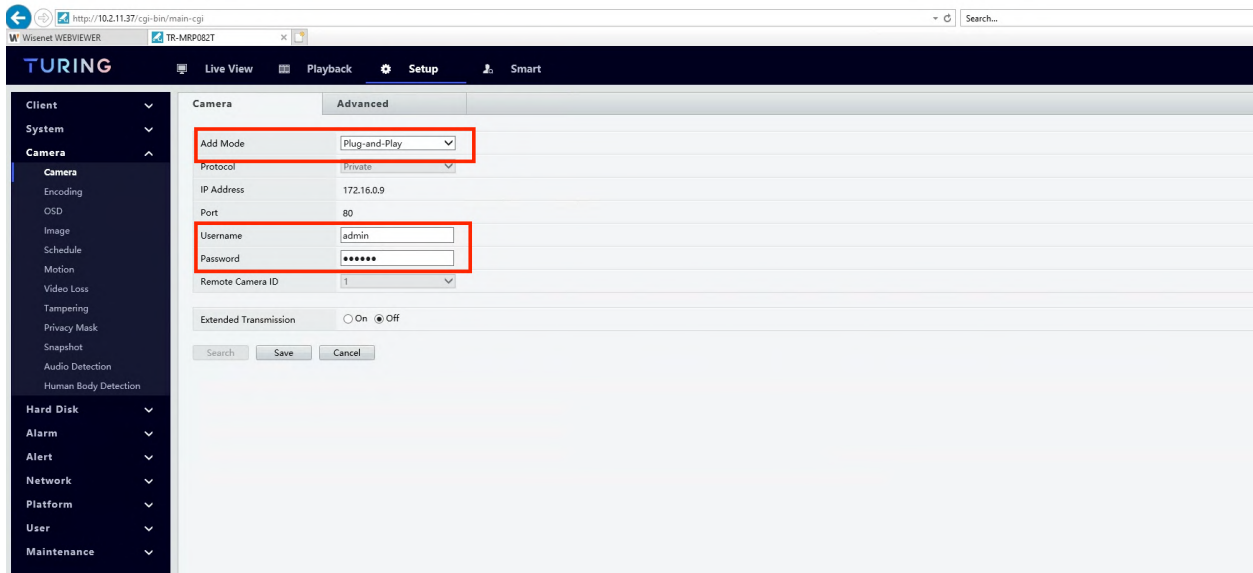
- **Connect & Add Camera(s) to Turing NVR**

i If desired, you can now connect your Hanwha camera directly to one of the POE ports on the back of the Turing Smart NVR, as shown below



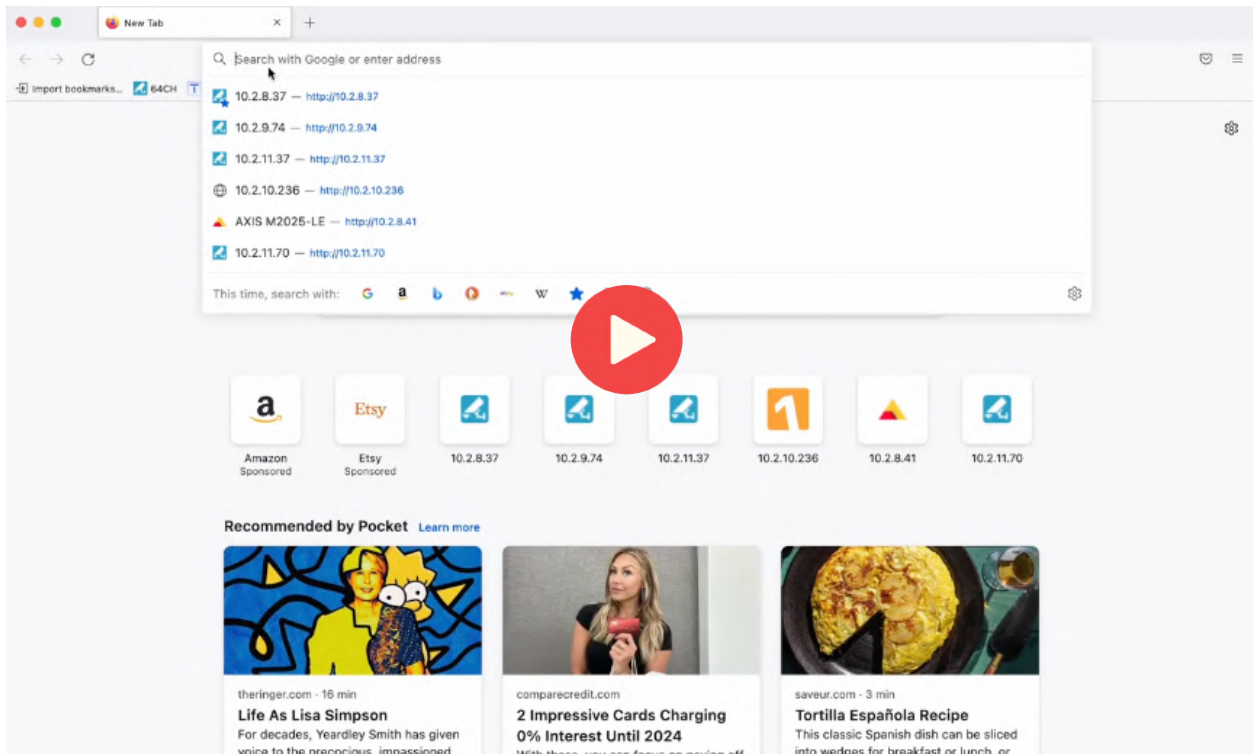
- Access your Turing NVR web UI by entering its IP address into a web browser
- Login and go to **Setup > Camera > Camera**
- Select the channel and click **Modify**
- Edit the **username** and **password** fields
- Click **Save**

No.	Camera ID	Address	Port	Remote Camera ID	Protocol	Status	Vendor	Model	Configure	Access
1	D1 (Camera 01)	172.16.0.107	80	1	ONVIF	ON	ONVIF	VX-4V-OD-R1	Configure	Access
2	D2 (IP Camera 02)	172.16.0.105	80	1	ONVIF	ON	Avigilon	2.0C-H4A-DP1	Configure	Access
3	D3 (IP Camera 03)	172.16.0.106	80	1	ONVIF	ON	Pelco	IME129	Configure	Access
4	D4 (IP Camera 04)	172.16.0.108	80	1	ONVIF	ON	AXIS	M2026-LE-MkII	Configure	Access
5	D5 (IP Camera 05)	172.16.0.109	80	1	ONVIF	ON	Samsung Techwin	QNV-7010R	Configure	Access
6	D6 (IP Camera 06)	172.16.0.7	80	1	ONVIF	ON			Configure	Access
7	D7 (IP Camera 07)	172.16.0.8	80	1	ONVIF	ON			Configure	Access
8	D8 (IP Camera 08)	172.16.0.102	80	1	Private	ON		SC-2085WD-I0-F28	Configure	Access



Installation Video

[Click Here to Watch the Installation Video](#)



Hanwha Camera FAQs

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

At the moment, Turing Smart NVR and Turing Vision only support Motion events.

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.

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INTEGRATION GUIDE FOR HANWHA CAMERAS

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