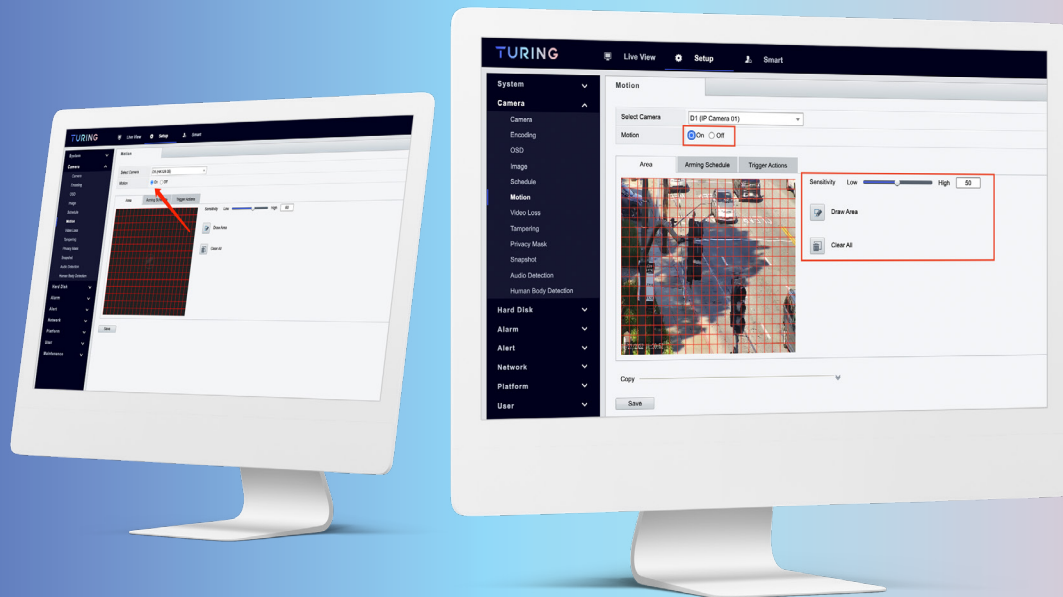


# TURING

## Hikvision Legacy Camera Installation



**HIKVISION**

This manual will assist you in setting up your Hikvision Legacy camera to the Turing Vision NVR.

### Hikvision Camera Installation Steps

1. [Download Hikvision SADPTool](#)
2. [Search Hikvision camera using SADPTool](#)
3. [Initialize Hikvision camera using SADPTool](#)
4. [Enable DHCP on Hikvision camera using SADPTool](#)
5. [Access Hikvision camera local Web UI](#)
6. [Enable ONVIF and Hikvision-CGI Integration protocol on Hikvision camera local Web UI](#)
7. [Verify Hikvision camera encoding settings](#)
8. [Enable motion detection on Hikvision camera](#)
9. [Connect Hikvision camera to Turing Smart NVR](#)
10. [Enable Hikvision motion on Turing Smart NVR local web UI](#)
11. [Add Hikvision cameras onto Turing Vision Platform](#)

### Hikvision Camera Installation FAQ

- [Q: Does Turing Vision platform support Smart VCA Events from Hikvision camera?](#)
- [Q: How can I find the IP address for my Hikvision camera?](#)
- [Q: How can I edit camera settings after connecting camera to NVR?](#)

# Hikvision Camera Installation Steps

1. Download Hikvision SADPTool software from the following web address:  
<https://www.hikvision.com/en/support/tools/hitools/clea8b3e4ea7da90a9/>

2. Search for any connected Hikvision camera using SADPTool software.

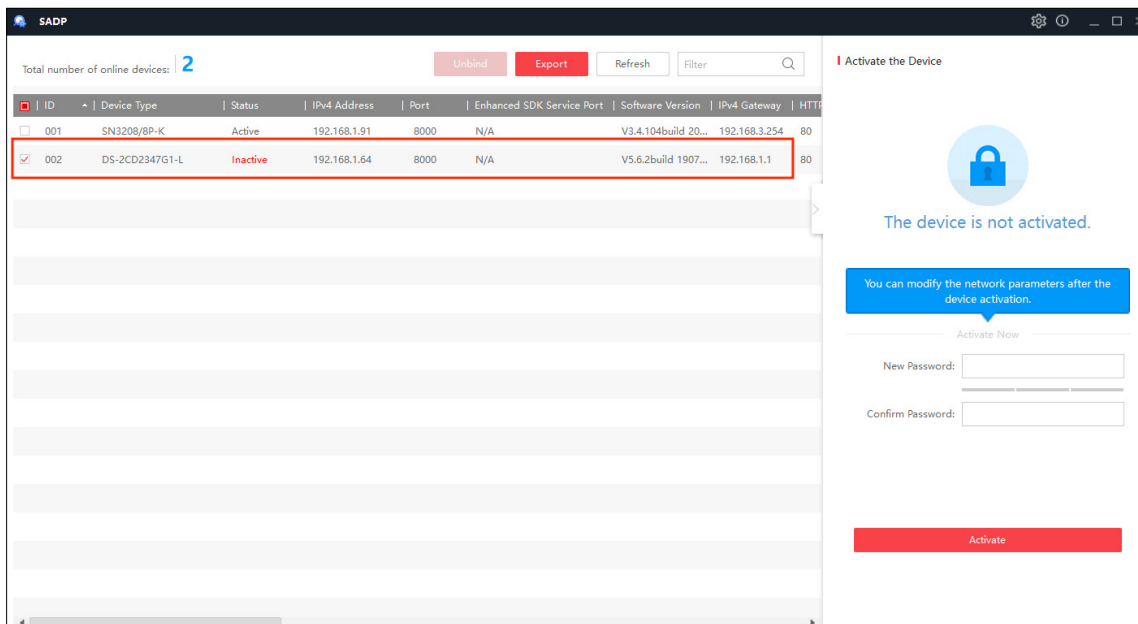
PLEASE DO NOT CONNECT YOUR CAMERA TO THE NVR AT THIS MOMENT

- Make sure your computer and camera are on the same network
- You should see your camera in INACTIVE status

3. Initialize Hikvision camera using SADPTool software

- Select the camera with INACTIVE status
- Activate camera by creating a new password

Note: These steps are only needed if you are installing a brand-new, factory-set Hikvision camera. If you are connecting a previously used Hikvision camera to a Turing Smart NVR, you can skip this section.



#### 4. Enable DHCP on Hikvision camera using SADPTool

- Select your camera
- Click ENABLE DHCP checkbox
- Click MODIFY button

The screenshot shows the SADPTool interface. At the top, it displays 'Total number of online devices: 2'. Below this is a table of devices. The second row, representing device ID 002, is highlighted with a red border. To the right of the table, a 'Modify Network Parameters' dialog box is open. In this dialog, the 'Enable DHCP' checkbox is checked and highlighted with a red box. Other fields in the dialog include Device Serial No., IP Address (192.168.1.64), Port (8000), Enhanced SDK Service Port (8443), Subnet Mask (255.255.255.0), Gateway (192.168.1.1), IPv6 Address, IPv6 Gateway, IPv6 Prefix Length (64), and HTTP Port (80). At the bottom of the dialog, there is a 'Modify' button and a 'Forgot Password' link.

ID	Device Type	Status	IPv4 Address	Port	Enhanced SDK Service Port	Software Version	IPv4 Gateway	HTTP
001	SN3208/8P-K	Active	192.168.1.91	8000	N/A	V3.4.104build 20...	192.168.3.254	80
002	DS-2CD2347G1-L	Active	192.168.1.64	8000	8443	V5.6.2build 1907...	192.168.1.1	80

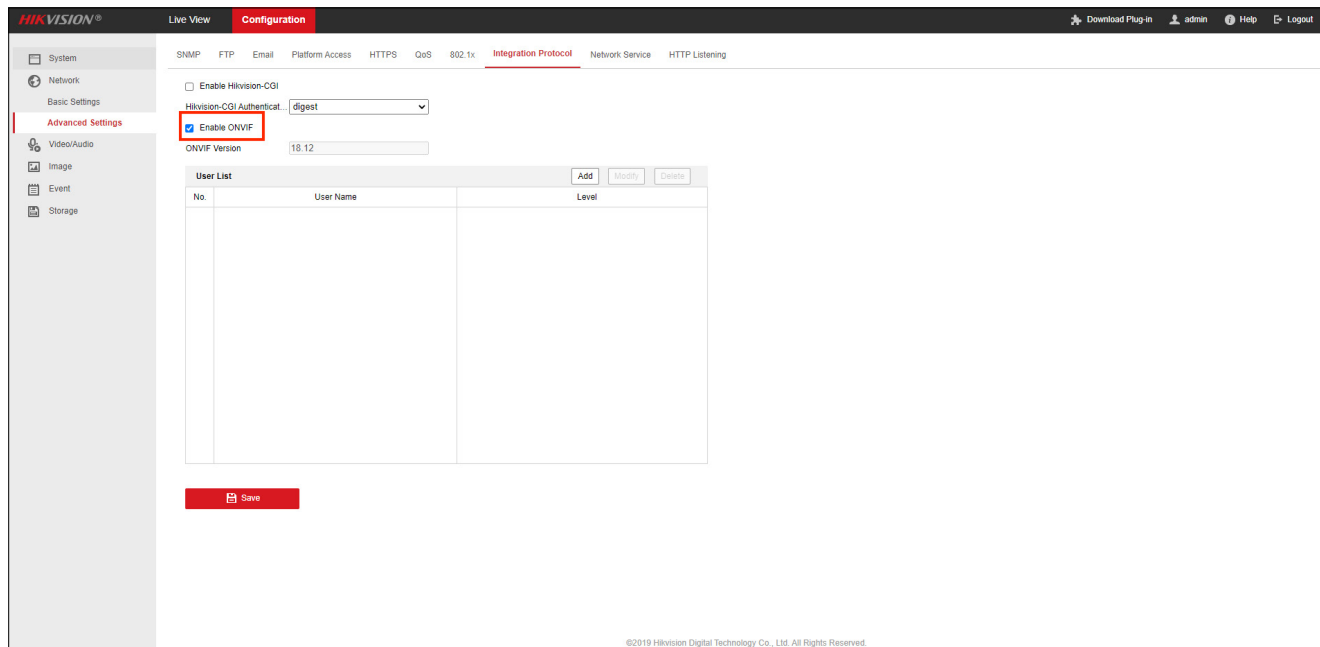
#### 5. Access Hikvision camera local Web UI

- Obtain the IP address of your camera from SADPTool software
- Enter IP address of your camera into a web browser

## 6. Enable ONVIF and Hikvision-CGI Integration protocol on Hikvision camera in the Web page interface

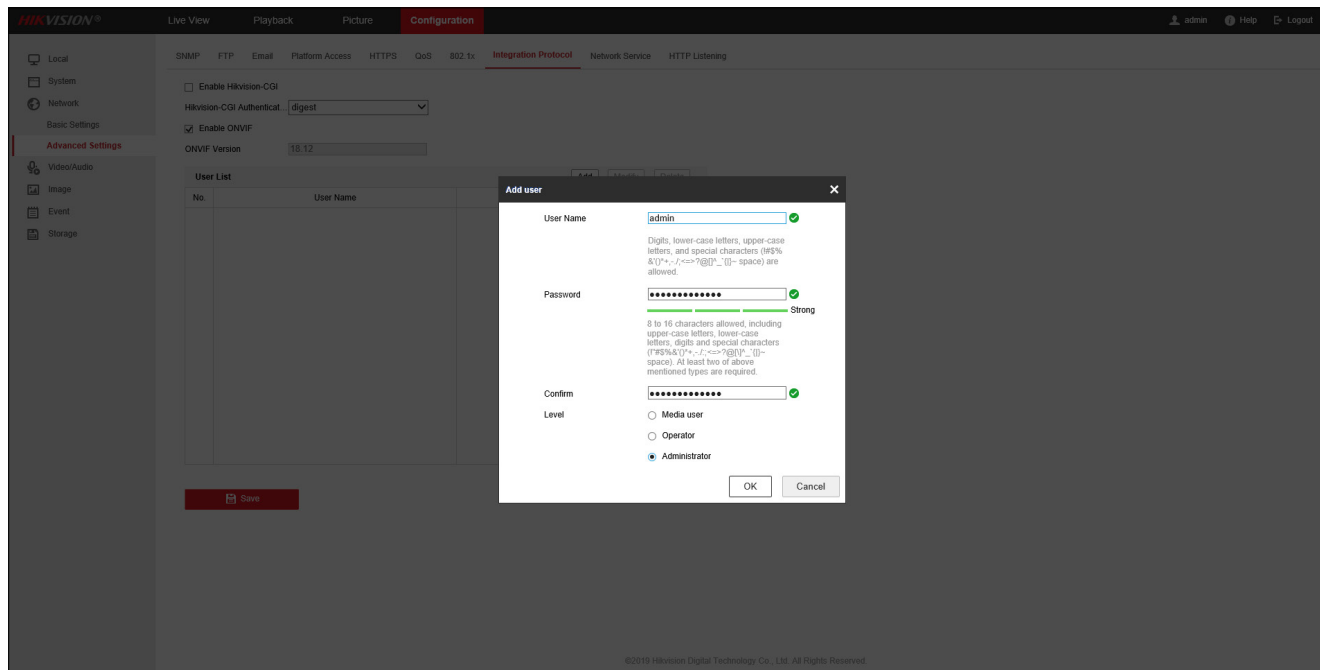
You can skip this step if you cannot find the INTEGRATION PROTOCOL. Older Hikvision cameras might not have this option. Use the same username and password to access your camera on the local web interface to connect Hikvision camera to the Turing Smart NVR. Go to the following menu on the Hikvision software: Enter IP address of your camera into a web browser

- Network
- Advanced Settings
- Integration Protocol
- Check ENABLE ONVIF
- Select DIGEST for Hikvision-CGI Authentication



- Click ADD button to create ONVIF username and password

Please remember your username and password which are used to connect Hikvision camera to with Turing Smart NVR

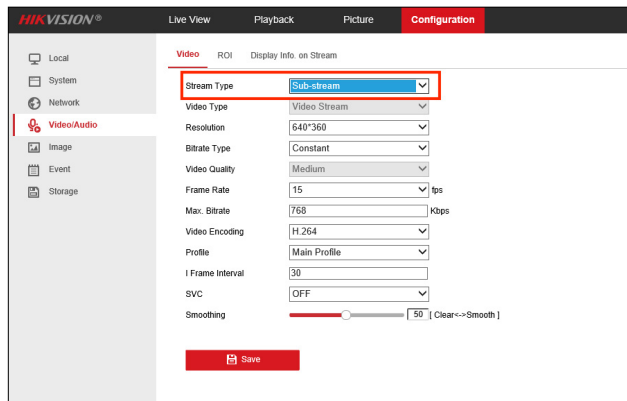


- Click SAVE button

## 7. Verify Hikvision camera encoding settings

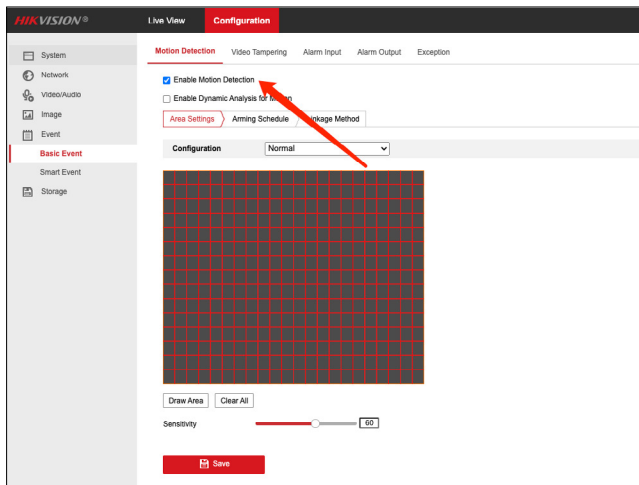
Go to the following menu:

- Configuration
- Video/Audio
- Change Stream Type to SUB-STREAM



- The recommended encoding settings for Sub-stream are as follows:

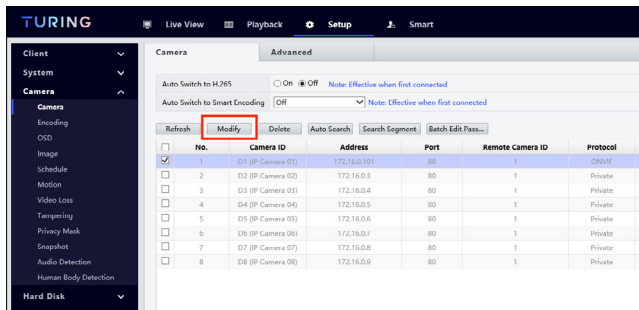
<b>Encode Mode/Video Compression</b>	H.264
<b>Resolution</b>	720P or best resolution available with 16:9 aspect ratio
<b>Bitrate Type</b>	CBR
<b>Bit Rate</b>	768
<b>Frame Rate (fps)</b>	15
<b>I-Frame Interval</b>	30



### 8. Enable motion detection on Hikvision camera

Go to the following menu:

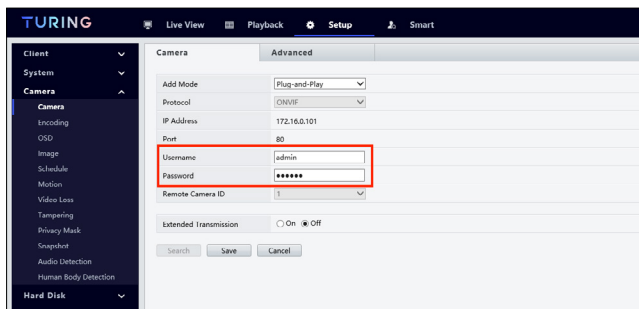
- Configuration
- Motion Detection
- Select ENABLE MOTION DETECTION
- Click SAVE button



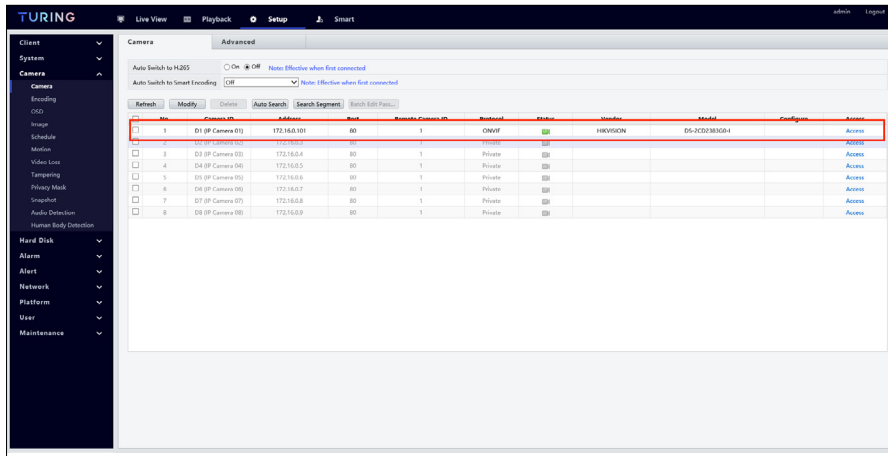
### 9. Connect Hikvision camera to Turing Smart NVR

Connect your camera directly to Turing Smart NVR and go to the following menus on the TURING software:

- Setup
- Camera
- Camera
- Select your camera and click MODIFY button
- “Edit the “Username” and “Password” fields to match the credentials you set when enabling ONVIF protocol.



- Click SAVE button
- Power cycle the camera which may take a few minutes
- Click on REFRESH button to make sure your camera is highlighted green

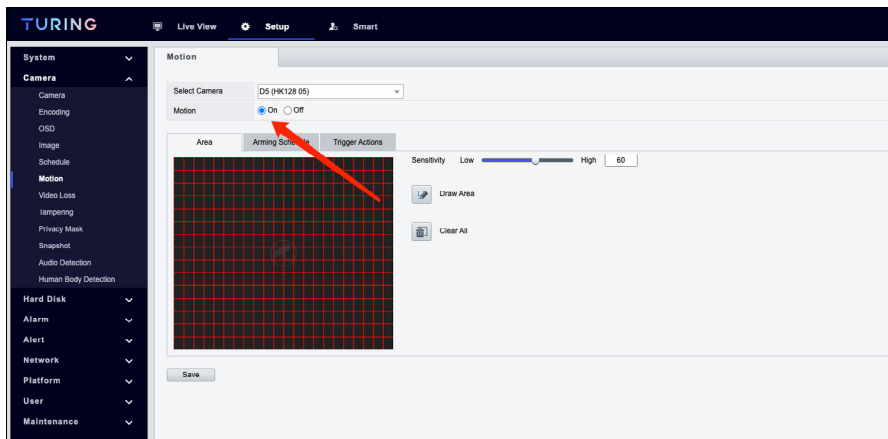


## 10. Enable Hikvision motion on Turing Smart NVR local web UI

Connect your camera directly to Turing Smart NVR and go to the following menus on the TURING software:

- Setup
- Camera
- Camera
- Select your camera and click MODIFY button

NOTE: Please contact Turing Support to request the ability to enable video motion on the Turing Vision platform.

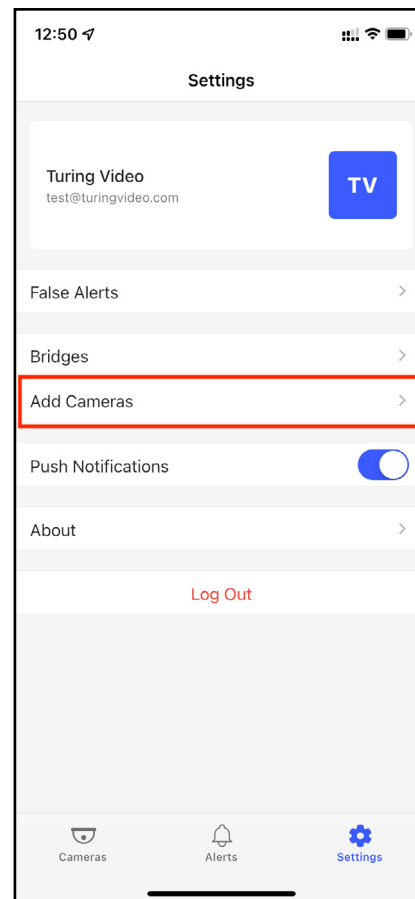
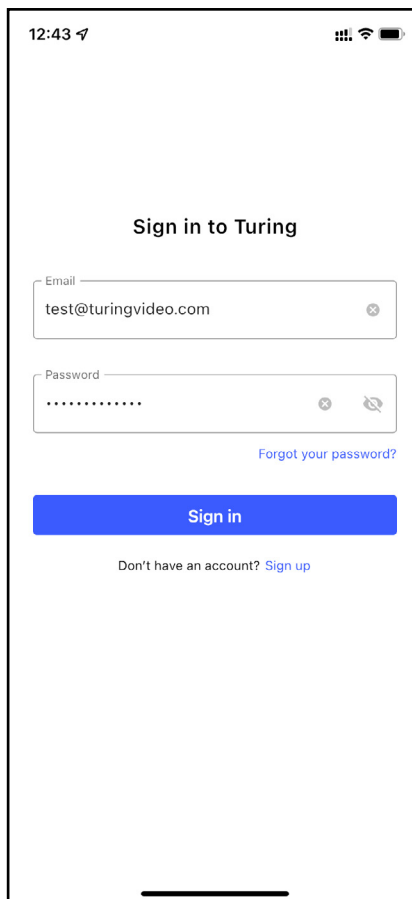




## 11. Add Hikvision cameras onto the Turing Vision Platform software

Install Turing Bridge on the same network as Turing Smart NVR.  
Download the Turing Video mobile app

- Login with your USERNAME and PASSWORD
- Go to SETTINGS
- ADD CAMERAS to add your cameras to the NVR



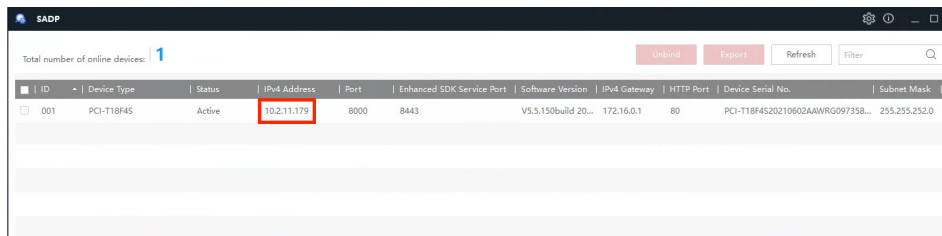
# Hikvision Camera Installation FAQ

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

No, Vision cloud only supports Hikvision motion events at the moment

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

When camera is connected over network, use Hikvision's SADP tool software to search for camera's IP address.



ID	Device Type	Status	IPv4 Address	Port	Enhanced SDK Service Port	Software Version	IPv4 Gateway	HTTP Port	Device Serial No.	Subnet Mask
001	PCI-T18F45	Active	10.2.11.179	8000	8443	V5.5.130build 20...	172.16.0.1	80	PCI-T18F4520210602AANVRG097358...	255.255.252.0

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

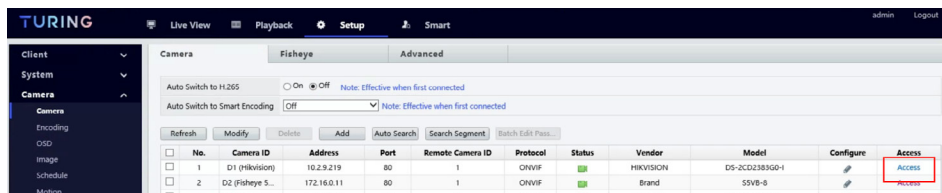
On NVR Web interface go to the following menus:

Setup

Camera

Camera.

Click ACCESS button to access individual camera settings directly.



No.	Camera ID	Address	Port	Remote Camera ID	Protocol	Status	Vendor	Model	Configure	Access
1	01 (Hikvision)	10.2.9.219	80	1	ONVIF	ON	HIKVISION	DS-3CC33850P-V1	Configure	Access
2	02 (Fisheye S...)	172.16.0.11	80	1	ONVIF	ON	Brand	SSV8-8	Configure	Access

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Term of Use: <https://turing.ai/legal/terms-of-use>

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Quick Start Guide (Hikvision ONVIF Camera)

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