

# *HIKVISION EUROPE*

## Monthly External Technical Newsletter

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December 2024

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### Contributions and feedback

An informative and inspiring newsletter needs your continual contributions and feedback. Please feel free to submit your comments to [product.eu@hikvision.com](mailto:product.eu@hikvision.com).

# 01 New Firmware / Software Release

Channel CCTV

IPC	2X67G2 2X87G2 DS-2CD3843G2-AP2	V5.7.19build241207	<ul style="list-style-type: none"><li>• Change of capture mode for 6/8MP camera: P system delete 3200x180025, only reserved 3840x216025, The N system remains unchanged.</li><li>• Newly Add 38 boxes camera: DS-2CD3843G2-AP2.</li></ul>
NVR	NXI-K1 NXI-K2 NXI-K4	V4.83.011build241205	<ul style="list-style-type: none"><li>• Acusearch modeling speed, search efficiency, and interaction optimization;</li><li>• Storage optimization, Acusearch can be used on SMR drive</li></ul>

Note: Get the firmware via searching specific models in Hikvision official websites (Global or EU).

## 02 Product How to

### How to add Solar Camera via OTAP in NVR 5.0

#### Preparation

One M series device, firmware version 5.0 or higher. This article uses DS-9664NI-M16 V5.03.000 build 240428 as an example;

One solar camera that supports OTAP protocol. This article uses DS-2XS6A87G1-L/C36S80 V5.7.40 build 230424 as an example.

#### Configuration on Camera

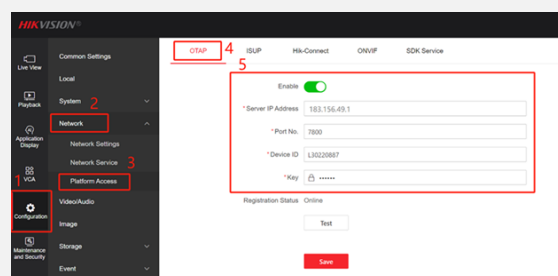
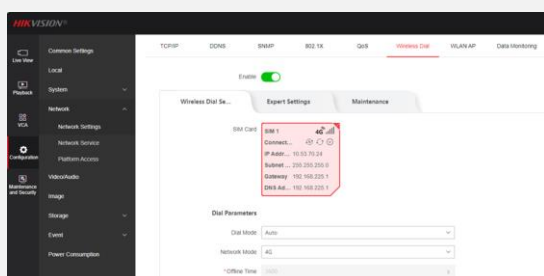
1. Turn the solar camera switch to ON, and insert a 4G SIM card. Give camera power from its battery.



2. Login to the web page of solar camera, click Configuration ---> Network ---> Platform Access to enter the OTAP configuration page. Enable the function, input relevant parameters, and then save the settings.

#### Note:

- 1) Server Address is the fixed WAN IP of the NVR;
- 2) Port is OTAP service port, set 7800 by default;
- 3) Device ID is defined by user, SN is recommend to input here, it will be used for adding solar camera to NVR;
- 4) Device ID is the authentication password required for registration to NVR. The value is user-defined.
- 5) Register Status shows the OTAP connection status of the current camera. After the connection is successful, the status will show Online here.



## 02 Product How to

### How to add Solar Camera via OTAP in NVR 5.0

#### Port mapping on router

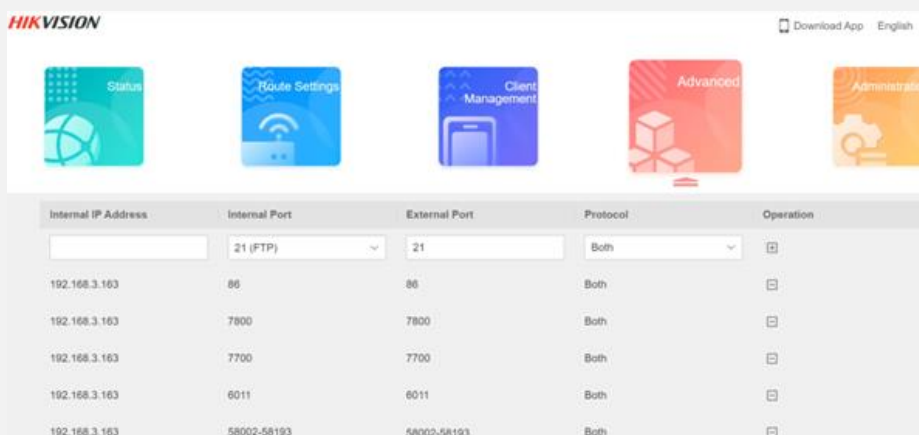
To realize the OTAP access, please do port mapping on router for the OTAP service ports.

[1]: port 7800: OTAP service register port

[2]: Port 7700: OTAP alarm port

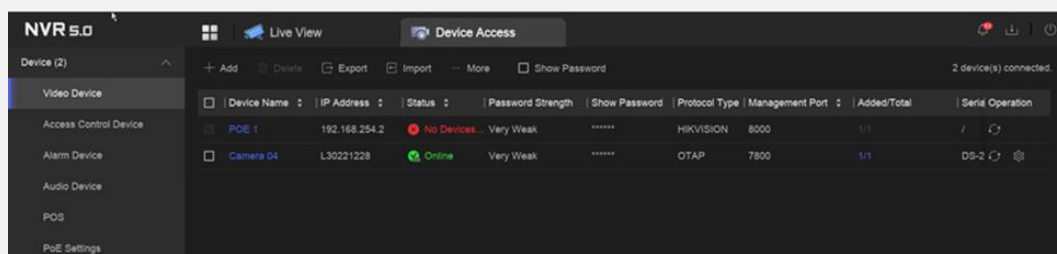
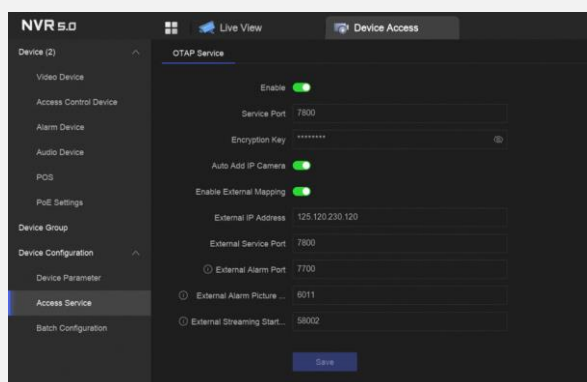
[3]: Port 6011: OTAP alarm picture port

[4]: Port 58002~58193: fetching video stream port pool



#### Configure on NVR

1. Log in to the NVR's local GUI, click Device Access ---> Device Configuration ---> Access Service ---> OTAP Service to enable the function. Enter the server port (default: 7800), input the verification password, external IP Address (NVR's fixed WAN IP), and save the configuration;



#### Note:

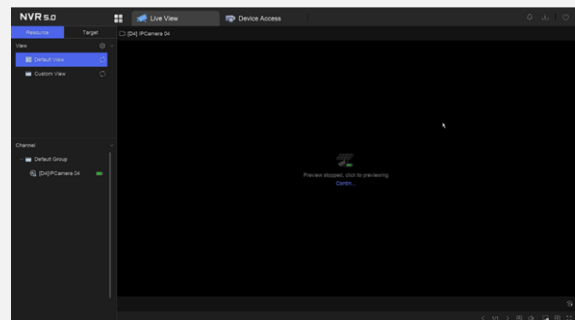
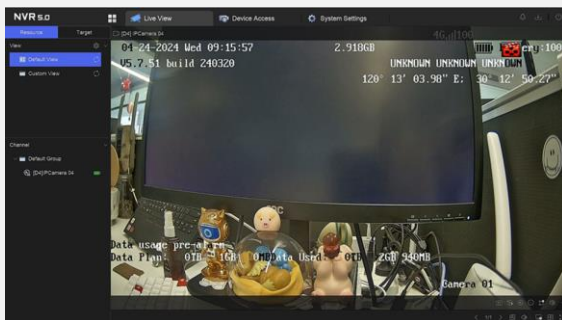
If Auto Add Network Camera is enabled, NVR will automatically add the solar camera whose OTAP server address is NVR's IP address and password verification passes.



## 02 Product How to


### How to add Solar Camera via OTAP in NVR 5.0

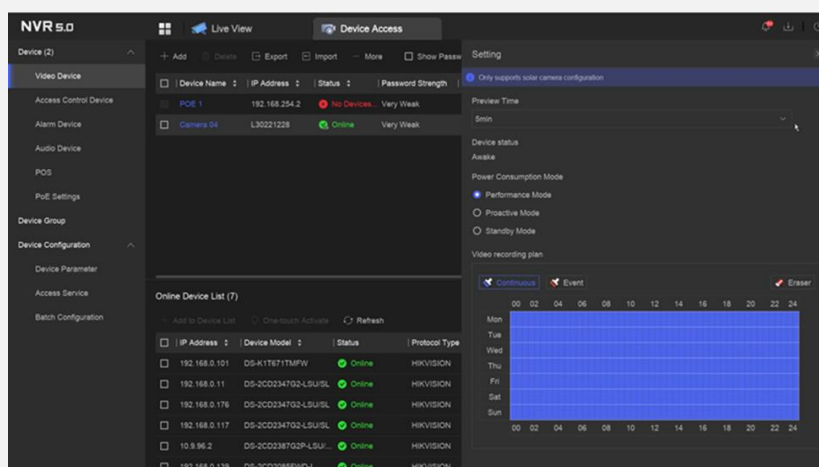
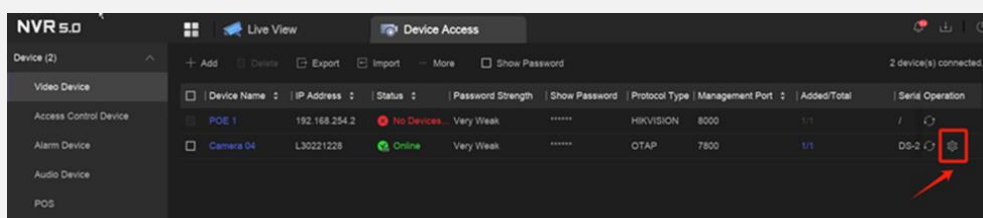
- If the solar camera not automatically added, user can click + Add on device access page to add the solar camera manually.
- After adding, click Live View on the top bar, then user can enter the Live View page to check the live view and power display of solar camera.



#### Note:

In order to prevent excessive traffic consumption, only 5 minutes is supported for single live view. NVR will stop streaming from camera after 5 minutes. If necessary, you can click the channel again to get stream.

- In order to check playback of solar camera on NVR, users quick set recording schedule by click the Setting icon 



## 03 Product Q&A

### Question 1 - What is the scope of ShotN?

Answer:

ShotN is effective only in Multi-Target-Type Detection mode. It is incompatible with Dynamic Mosaic or Smart Dual Opening. (\*Please note that P ANPR cameras do not support Mixed Target Detection AI and, therefore, do not feature the ShotN function.)

Since ShotN works exclusively in Hybrid Target Detection AI mode, any features that conflict with AI or Hybrid Target Detection cannot be enabled simultaneously with ShotN. For instance, high frame rates are supported only in non-AI mode, meaning high frame rates and ShotN cannot be used together. Also, ShotN cannot be enabled alongside the WDR function (including AWDR).

### Question 2 - Does the G2 camera need to be restarted after switching to smart mode?

Answer:

Regarding G2 Smart, our long- term goal is to switch smoothly without restarting. However, please note that there are some limitations in the early firmware versions, which are planned to be optimized through subsequent version upgrades.

- If ShotN switch is involved, a restart is required.

- Switching between smart mode and monitoring mode requires a restart.

### Question 3 - Can I use dynamic mosaic when 2 Smart Modes are opened at the same time?

Answer:

Not supported: Smart Mode Dual Open function and Dynamic Mosaic cannot be used simultaneously. When Dynamic Mosaic is enabled, only one AI algorithm can be supported.

Additionally, note that different AI modes are compatible with specific types of dynamic mosaics, and open AI frameworks like AIOP do not support dynamic mosaics.

## 04 Survey

An informative and inspiring newsletter needs your continual contributions and feedback, please feel free to submit your comments in this survey by clicking the link or scanning QR code: <https://www.surveymonkey.com/r/8GFLXDZ>

It will take you 2 minutes to complete. Thanks for your time in advance.

### Hikvision Europe Monthly External Technical Newsletter Survey

