

H11_5.9.10 Release Note

(2025-04-21)

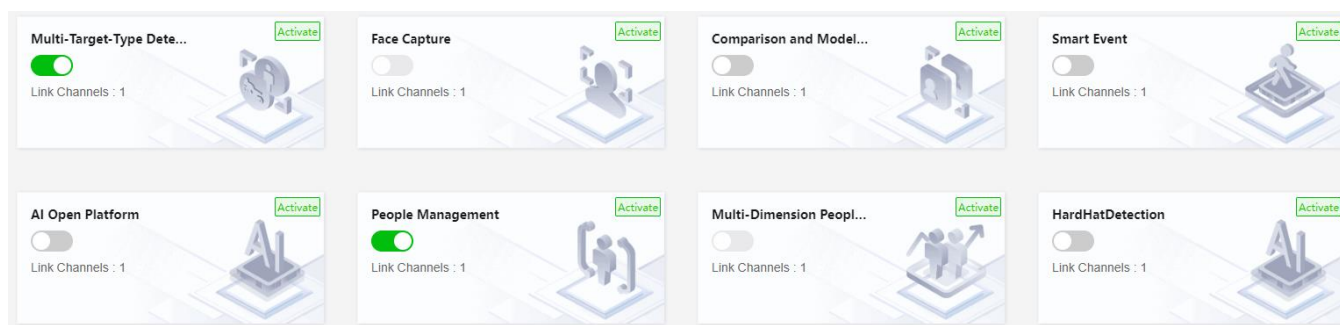
Firmware Basic Information	Firmware Version:	IPCG_OS: V5.9.10_240718 IPCG_SAP: V5.9.10_240717 V5.9.10_240828 V5.9.10_241218 V5.9.10_250228 V5.9.10_250421
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■ New Features

V5.9.10_240718:

【IPCG_OS】: Multi-Intelligence Models

1. Support simultaneous activation of **two VCA intelligent events**



Restriction situation:

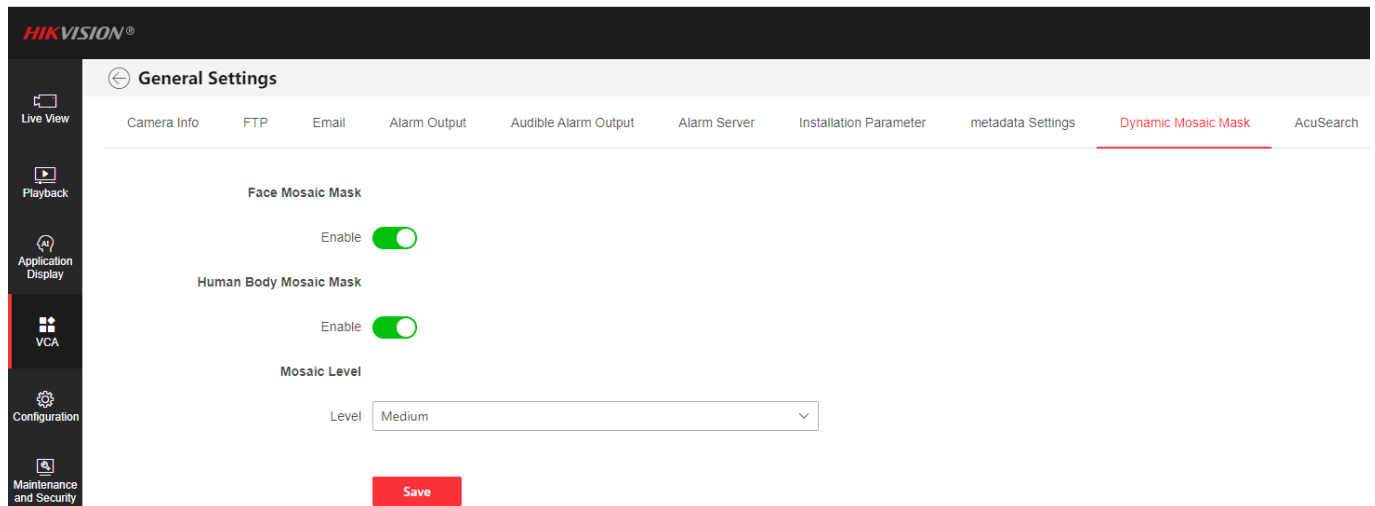
- 1) After activating "Multi Dimension People Counting", "Comparison and Modeling" will be turned on at the same time and cannot be turned off, so "Multi Dimension People Counting" cannot be enabled at the same time as other intelligent functions other than "Comparison and Modeling".
 - 2) Face capture and Multi-Target-Type Detection cannot be enabled simultaneously.
 - 3) After activating the Dynamic Mosaic Mask, only one intelligent VCA can be activated.
 - 4) After activating ShotN, only one intelligent VCA can be activated
2. Support **Non-Motor Vehicle** data message upload under Multi-Target-Type Detection function

Data Upload

 Select one or more desired target types configured in this mode for picture uploading.

Target ☒ Face ☒ Human ☒ Non-Motor Vehicle ☒ Motor Vehicle

3. Dynamic Mosaic Mask, **all VCA support** Dynamic Mosaic Mask



Note: When two VCA functions are enabled simultaneously, the Dynamic Mosaic Mask function cannot be activated.

 Enabling failed. Two smart applications and dynamic mosaic mask cannot be enabled at the same time. Please change the mask type.

4. Support MQTT Publish.
5. The sub, fourth, and fifth streams support up to 720P real-time (25/30fps).
6. Support **AcuSearch** function (implemented in conjunction with NVR).
7. Smart Event, Multi-Target-Type Detection, Face Capture support metadata.
8. Support **JPEGPro** Compression Technology

Background image of alarm event, supporting ROI of background JPEG image based on intelligent detection results, reducing overall image size and bandwidth consumption.

9. Support Smart event combination Alarm + HTTP custom message
10. Support ONVIF protocol **Profile M**
11. Supports **high frame rate**:

4MP: 2688*1520@50/60fps; 2560*1440@50/60fps; **1920*1080@100/120fps**;
1280*720@50/60fps.

8MP: 3840*2160@50/60fps; 3072*1728@50/60fps; 2560*1440@50/60fps;
1920*1080@100/120fps; 1280*720@50/60fps.

12. ShotN

It is available when Multi-Target-Type Detection is enabled, which can be used to optimize the effect of captured picture.

Notes:

- 1) For certain device models, you should go to VCA and enable Multi-Target-Type Detection first.
- 2) The function varies according to different device models.

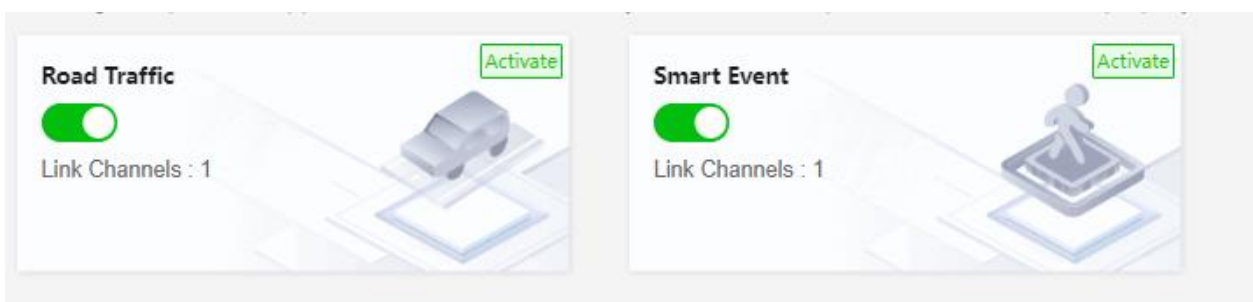
Adjust different image parameters for different modes.

- a) Normal Mode: The mode is used to adaptively adjust the image capture effect of face and license plate, which can solve the overexposure of different types of targets captured in the same scene. It can split the stream into 2 channels for face capture and license plate capture, and you can set the image parameters of 2 streams separately in the expert mode.
- b) Close: Do not split the stream.

V5.9.10_240717:

【IPCG_SAP】 ANPR Models:

1. Support simultaneous activation of two VCA intelligent events

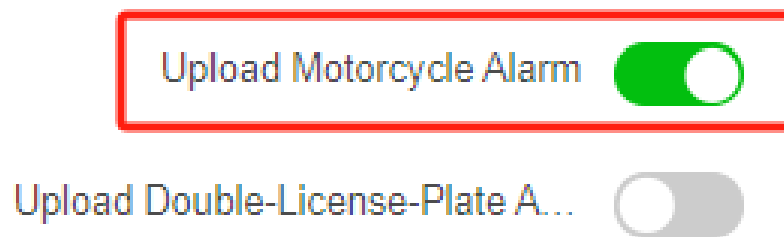


2. ANPR region selection interface supports MENA license plate attribute fields

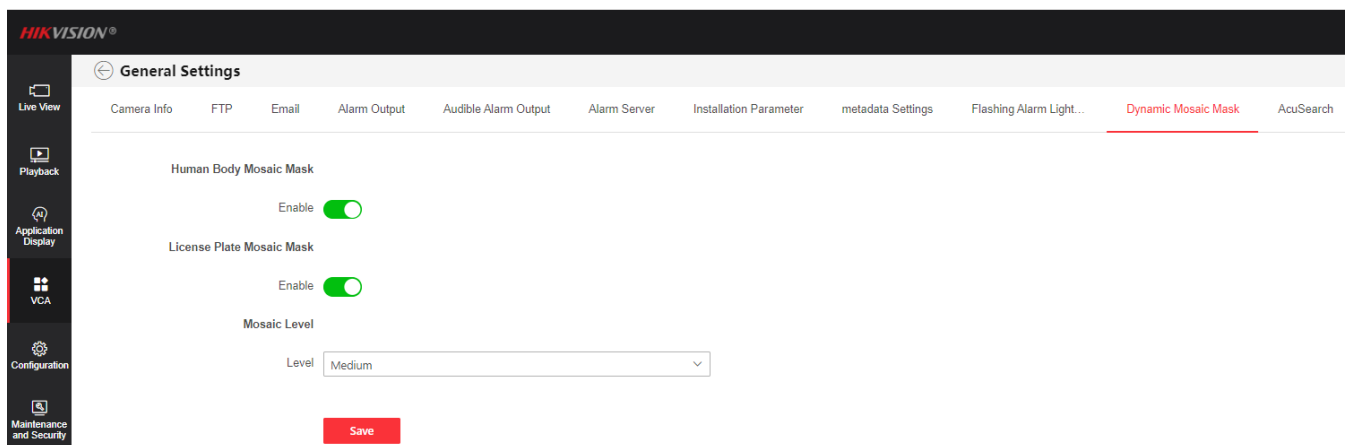
Area	Middle East	▼
Country/Region	General	▼

3. ANPR In vehicle mode, the Entrance/Exit mode support selectable motorcycle types for

reporting.



4. Dynamic Mosaic Mask, ANPR models support **License Plate Mosaic Mask**



Note:

- a) The license plate Dynamic Mosaic Mask function can **only** be used in **Entrance/Exit mode**
- b) When two VCA functions are enabled simultaneously, the Dynamic Mosaic Mask function cannot be activated.

 Enabling failed. Two smart applications and dynamic mosaic mask cannot be enabled at the same time. Please change the mask type.

- 5. Support MQTT Publish.
- 6. The sub, fourth, and fifth streams support up to 720P real-time (25/30fps).
- 7. Support **AcuSearch** function (implemented in conjunction with NVR).
- 8. Support **JPEGPro** Compression Technology
Background image of alarm event, supporting ROI of background JPEG image based on intelligent detection results, reducing overall image size and bandwidth consumption.
- 9. Support ONVIF protocol Profile M
- 10. Supports high frame rate:
4MP: 2688*1520@50/60fps; 2560*1440@50/60fps; **1920*1080@100/120fps**;
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V5.9.10_240828: NA

V5.9.10_241218: NA

V5.9.10_250228: NA

V5.9.10_250421:

Newly release 7046G2/P and 7086G2/P model.

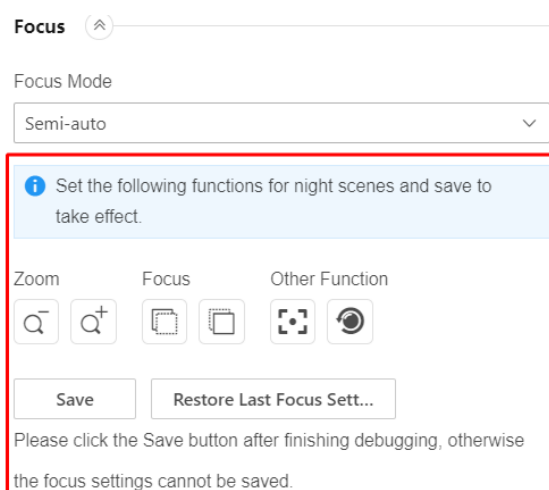
■ Modify Features

V5.9.10_240828:

1. Solve the PTRZ model PT stuck problem caused by the light shield.
2. Solve the problem that the default video standard is NTSC but web page display as PAL.
3. Solved the problem that the device is activated after reset.

V5.9.10_241218:

1. Solved the problem that infrared non-confocal focus of 7A45 by algorithm.
2. Solved the problem that infrared non-confocal focus of 7A46 with 6-132mm lens model by adding a night focus calibration item to the page



3. Support control Rotate speed for PTRZ model.
4. After self-check of PTRZ model, the tilt angel of the camera is kept at 90° position.

V5.9.10_250228:

Fixed the issue of the IR not turning on when the 7046G2/E model switches to night mode, and the absence of a corresponding IR light setting page on the web interface.

Customer Impact and Recommended Action

This update refers to function/compatibility improvement and will take effect automatically after the Date of Change. We are very sorry for any inconvenience of use-habit changes caused by this action.

For any questions and request for this firmware, please contact our local technical support team.

Remarks:

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
- Product design and specifications are subject to change without prior notice.
- The Hikvision firmware may contain errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.
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