

## Network Camera Firmware Version: V5.8.40

### Release Note

<b>Firmware Basic Information</b>	Firmware Version:	V5.8.40 build 2300909
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#### 1. New Features

- Newly support combined alarm on Smart Event mode.
  - 1) Support choose intrusion detection, line crossing detection, region entrance detection and region exiting detection as combination events.
  - 2) Support add alarm up to 4 combined event rules. Each rules supports add up to 4 sub events.

**Note:** The combined event can be performed only after the required perimeter alarm rules are configured.

- 3) Support configure alarm interval (1~60s), default value is 30s. It is the maximum interval between different perimeter events triggered within a combined alarm.

The screenshot shows a configuration window with the following elements:

- Rule List:** A list containing 'Rule1' with a close button.
- Enable:** A green toggle switch.
- Sub Event List:** A list containing 'Event1' and 'Alarm Event' with close buttons.
- Event Type:** A dropdown menu set to 'Intrusion Detection'.
- Rule:** A dropdown menu set to '1'.
- \* Alarm Interval:** A text input field containing '30', highlighted with a red box.
- Save:** A red button at the bottom.

**Note:** Individual event alarms cannot be triggered when the combined event is enabled. The alarm is triggered only when the same target triggers all events in the combined alarm in sequence.

- Smart event mode newly support configure custom alarm text for HTTP listening alarm. Support configure up to 512 characters.

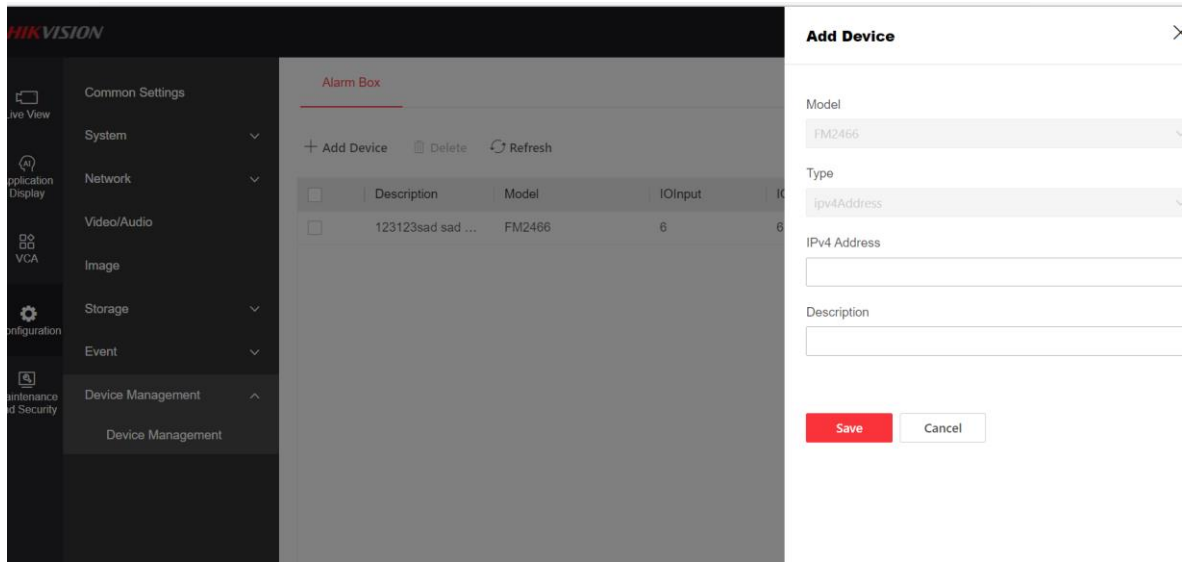
The screenshot shows the 'Smart Event' configuration interface with the following elements:

- Linkage Method:** Includes 'Notify Surveillance Center' (enabled) and 'Upload to FTP/Memory Card/NAS' (disabled).
- Trigger Alarm Output:** Includes 'Select All' and 'A->1' checkboxes.
- Recording Linkage:** Includes 'Select All' and 'A1' checkboxes.
- CustomAlarm:** Two text input fields, both containing 'CustomAlarm', highlighted with a red box.
- Save:** A red button at the bottom.

An 'Edit' dialog box is overlaid on the right side, containing:

- Server IP Address1:** A text input field containing 'test', highlighted with a red box.
- Alarm Server:** A text input field.
- Server IP Address2:** A disabled toggle switch.
- Server IP Address3:** A disabled toggle switch.
- Save:** A red button.
- Cancel:** A white button.

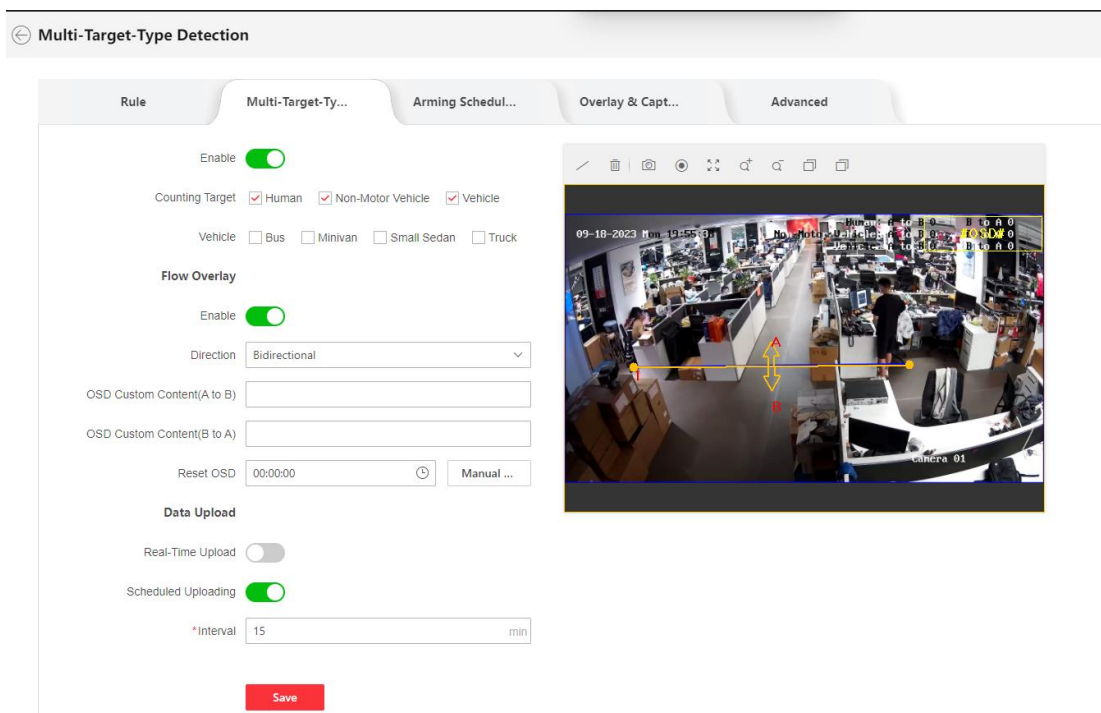
- Newly support add DS-2FM2466 alarm box to extend the alarm input and output interfaces.



## A. Non-ANPR model (without /P):

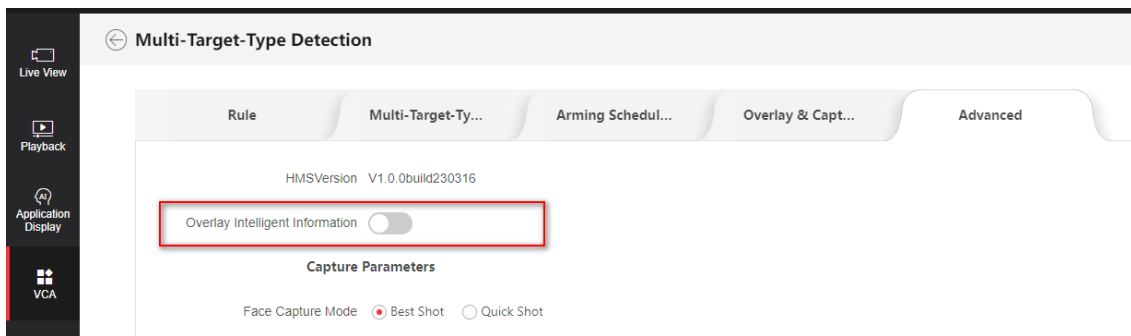
- Newly support multi-target counting function on Multi-Target-Type Detection mode.
  - 1) Support count human, Non-Moto Vehicle and Vehicle respectively.
  - 2) Support draw a counting rule and count forward, reverse and bidirectional direction flow.
  - 3) Support OSD overlay the counting number.
  - 4) Support search Multi-Target-Type Counting Statistics report on Application Display page.

Note: Report is stored in the camera's EMMC and do not require install SD card.

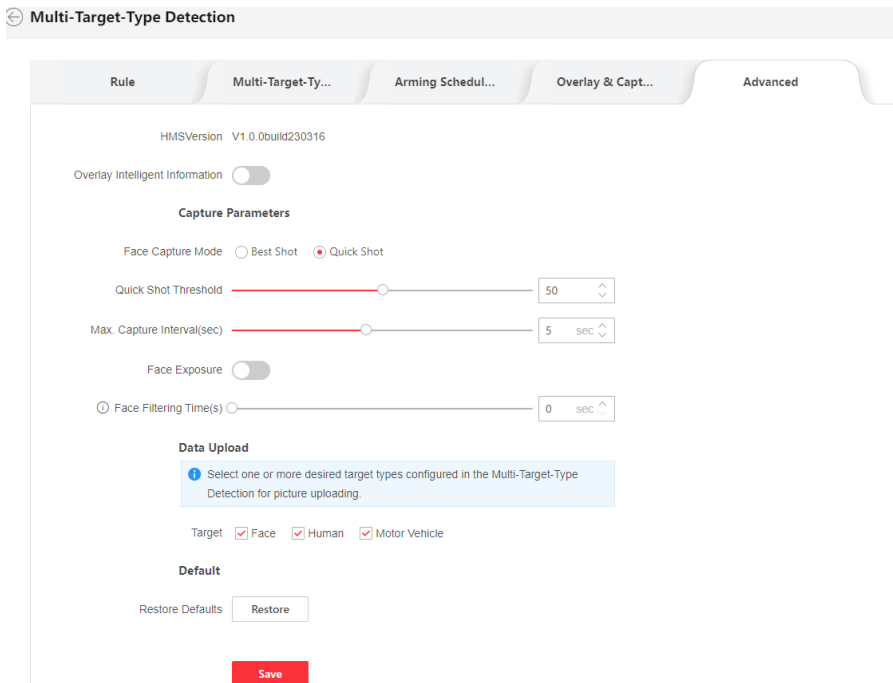


Statistics Time	Human	Non-Motor Vehicle	Vehicle	Bus	Minivan	Small Sedan	Truck
2023-09-18T00:00:00~>	0	0	0	0	0	0	0
2023-09-18T01:00:00~>	0	0	0	0	0	0	0
2023-09-18T02:00:00~>	0	0	0	0	0	0	0
2023-09-18T03:00:00~>	0	0	0	0	0	0	0
2023-09-18T04:00:00~>	0	0	0	0	0	0	0
2023-09-18T05:00:00~>	0	0	0	0	0	0	0
2023-09-18T06:00:00~>	0	0	0	0	0	0	0
2023-09-18T07:00:00~>	0	0	0	0	0	0	0
2023-09-18T08:00:00~>	0	0	0	0	0	0	0
2023-09-18T09:00:00~>	0	0	0	0	0	0	0
2023-09-18T10:00:00~>	0	0	0	0	0	0	0
2023-09-18T11:00:00~>	0	0	0	0	0	0	0

- Multi-Target-Type Detection mode newly support enable pos information on VCA→Multi-Target-Type Detection→Advanced→enable Overlay Intelligent Information.

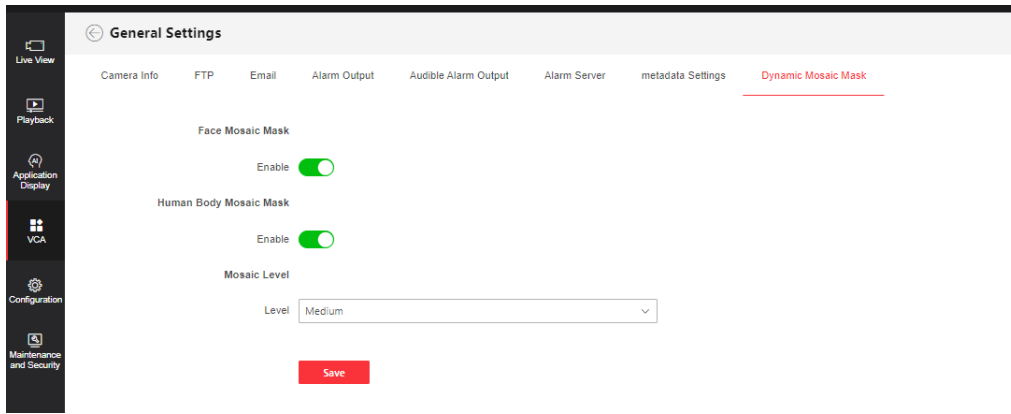


- Multi-Target-Type Detection mode newly support choose Quick Shot mode.

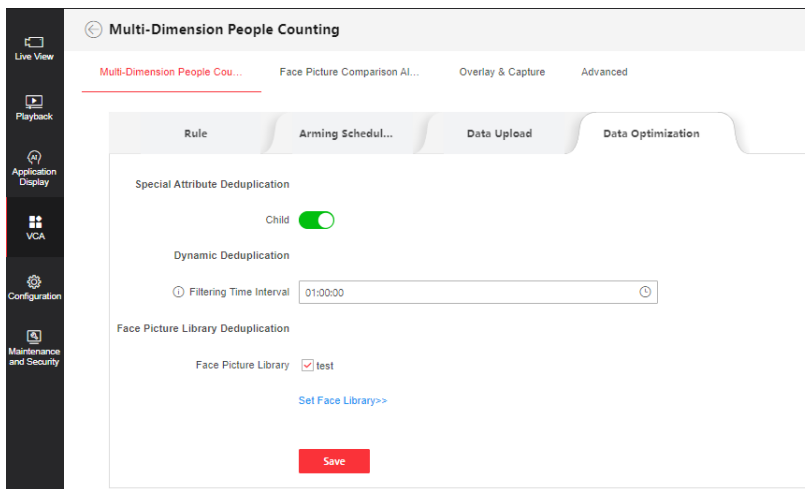


- Newly support Face Mosaic Mask and Human Body Mosaic Mask on Face Capture, Face Picture Comparison and Multi-Target-Type Detection mode.

**Note: Only 2MP & 4MP model support**



- Multi-Dimension People Counting mode support attribute deduplication function. When deduplication is enabled, the attribute of the repeated target are also consider as deduplication.



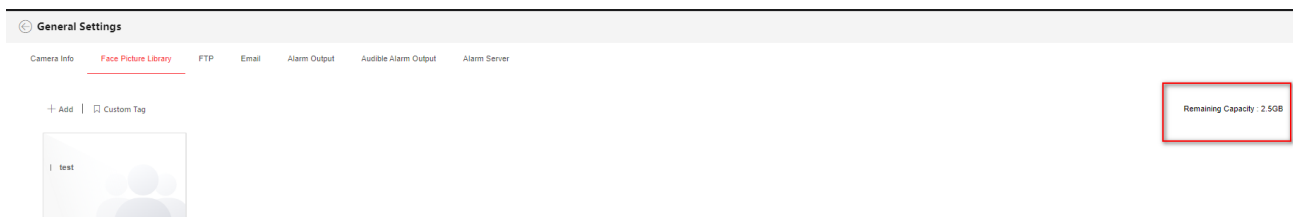
The screenshot shows the 'People Counting Statistics' table for the date 2023-08-19. The table has columns for 'Statistics Time Interval', 'People Entered', 'People Exited', and 'Duplicate'. The data for the interval 18:00:00-19:00:00 is highlighted with a red box.

Statistics Time Interval	People Entered	People Exited	Duplicate
07:00:00-07:30:00	0	0	0
08:00:00-08:30:00	0	0	0
09:00:00-09:30:00	0	0	0
10:00:00-10:30:00	0	0	0
11:00:00-11:30:00	0	0	0
12:00:00-12:30:00	0	0	0
13:00:00-13:30:00	0	0	0
14:00:00-14:30:00	0	0	0
15:00:00-15:30:00	0	0	0
16:00:00-16:30:00	0	0	0
17:00:00-17:30:00	0	0	0
18:00:00-18:30:00	0	0	0
18:00:00-19:00:00	36	33	33
19:00:00-20:00:00	15	17	15
20:00:00-21:00:00	0	0	0
21:00:00-22:00:00	0	0	0
22:00:00-23:00:00	0	0	0

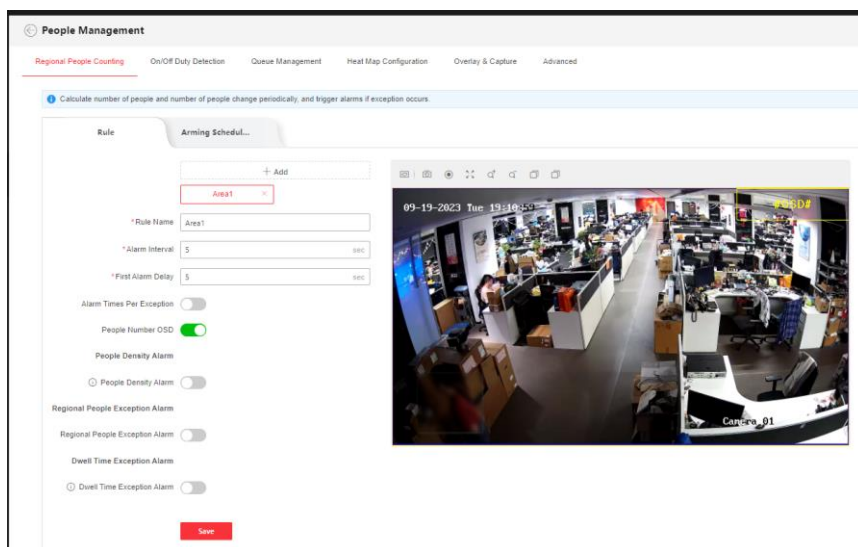
The screenshot shows the 'People Counting Statistics' table for the date 2023-08-19. The table has columns for 'Statistics Time Interval', 'Male', 'Female', and 'Duplicate'. The data for the interval 18:00:00-19:00:00 is highlighted with a red box.

Statistics Time Interval	Male	Female	Duplicate
07:00:00-07:30:00	0	0	0
08:00:00-08:30:00	0	0	0
09:00:00-09:30:00	0	0	0
10:00:00-10:30:00	0	0	0
11:00:00-11:30:00	0	0	0
12:00:00-12:30:00	0	0	0
13:00:00-13:30:00	0	0	0
14:00:00-14:30:00	0	0	0
15:00:00-15:30:00	0	0	0
16:00:00-16:30:00	0	0	0
17:00:00-17:30:00	0	0	0
18:00:00-18:30:00	0	0	0
18:00:00-19:00:00	1	0	0
19:00:00-20:00:00	1	1	0
20:00:00-21:00:00	0	0	0
21:00:00-22:00:00	0	0	0
22:00:00-23:00:00	0	0	0

- Face Picture Library support display remaining capacity.



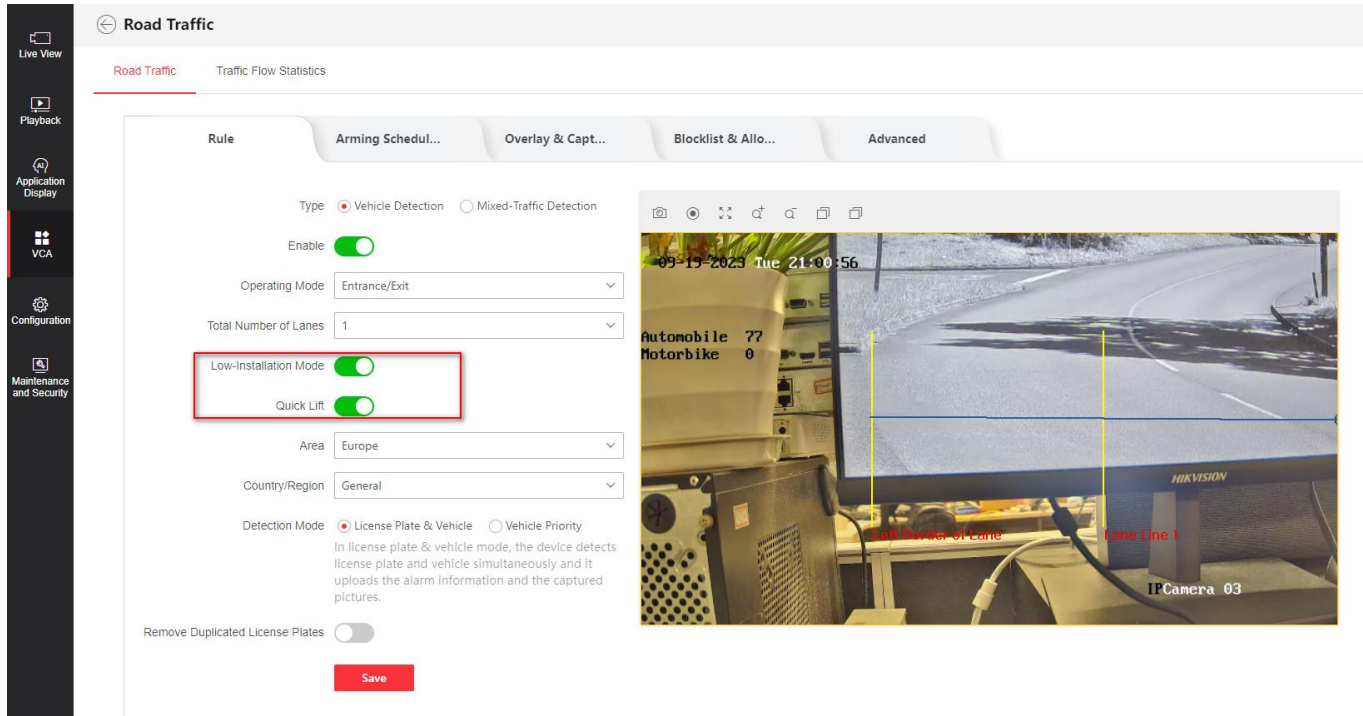
- People management mode support regional people counting function.



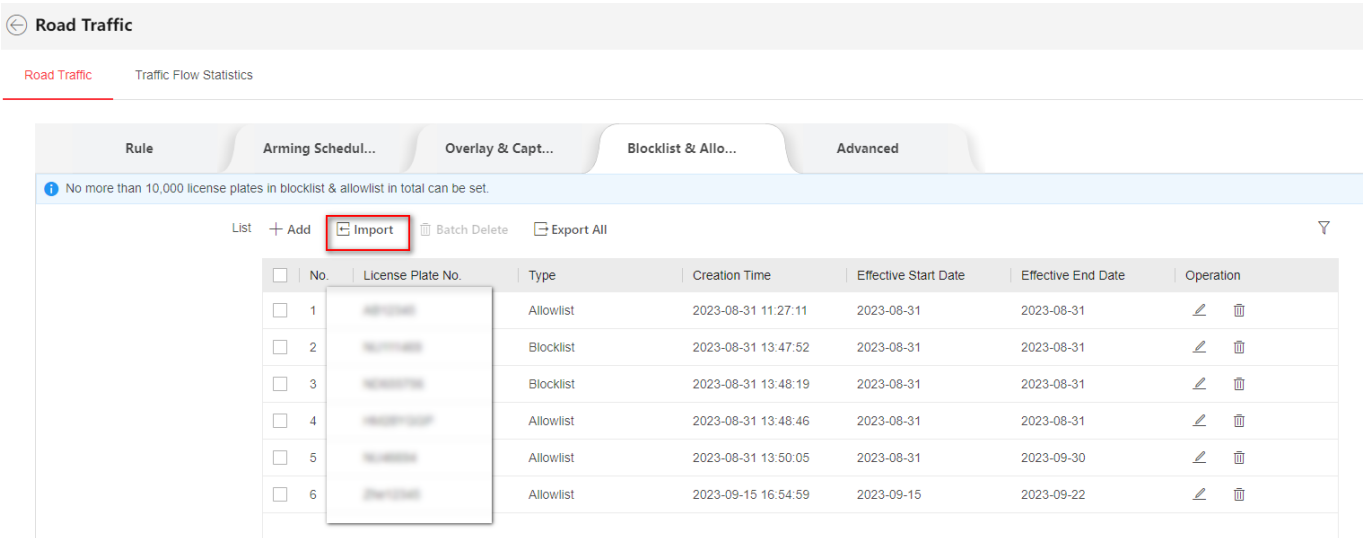
- AIOP mode newly add Model authorization validity check: When the validity period expires, the model will stop running and is not allowed to start again.

## B. ANPR model (with /P):

- Support Low-Installation Mode and Quick Lift function on Entrance/Exit operating mode.

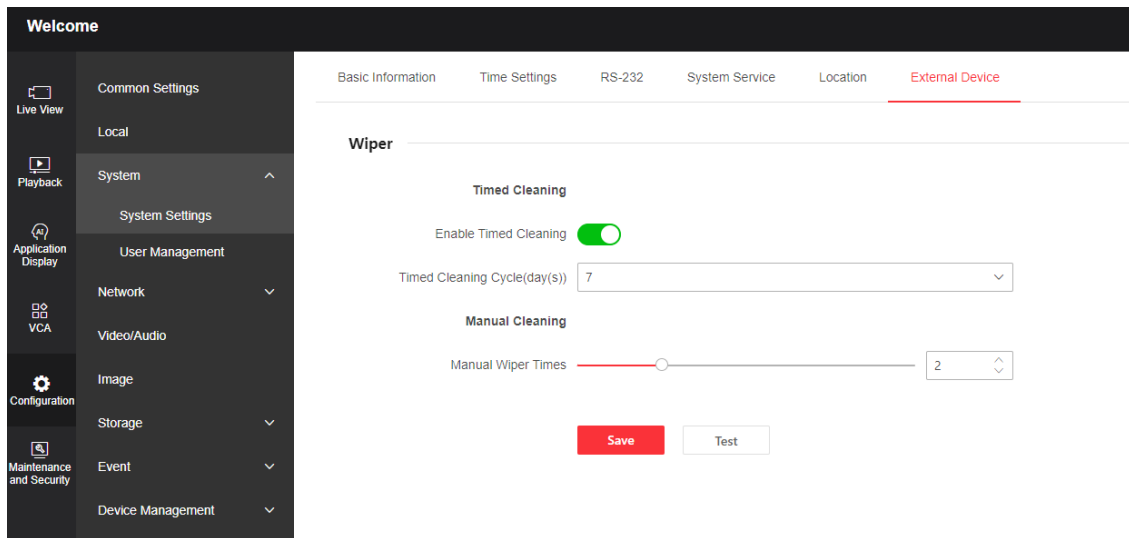


- Blocklist & Allowlist support import files in 4 formats: CSV, excel, xml and xlsx.

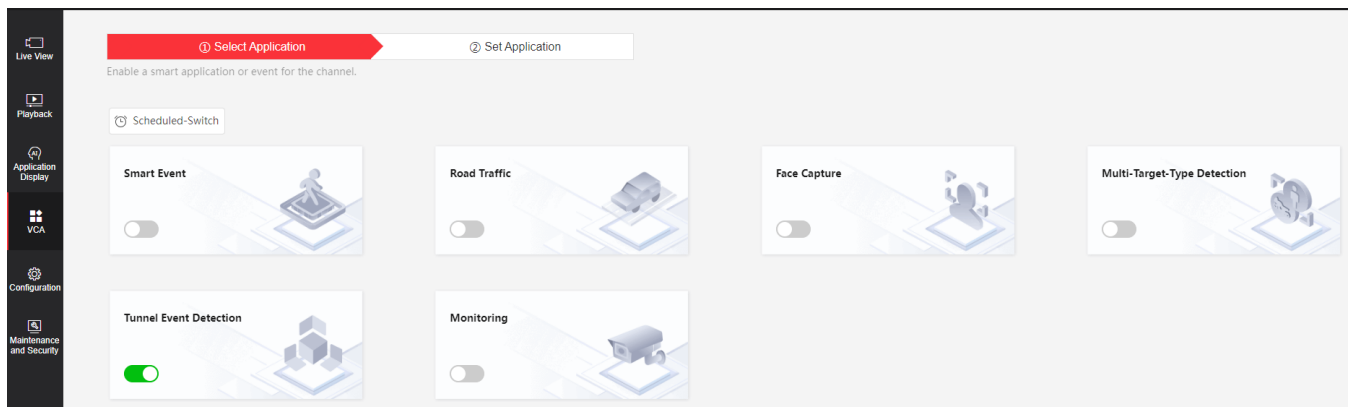


## C. Self-Cleaning Model (Newly released):

- Newly released Self-Cleaning model: iDS-2CD8A47G0/SC-ZY(2.8-12mm) and iDS-2CD8A47G0/SC-ZY(8-32mm). With the built-in 2 L large-capacity water box for cleaning the camera window, support enable timing cleaning on **Configuration**→**System**→**System Settings** page.



- Support Smart Event, Road Traffic, Face Capture, Multi-Target-Type Detection, Tunnel Event Detection and Monitoring VCA resource switchable.



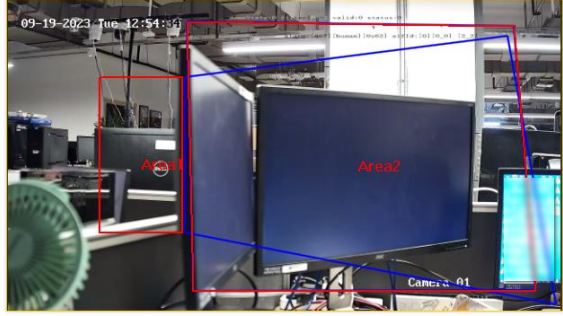
- On Tunnel Event Detection mode, the camera supports fallen object detection, pedestrian detection, parking detection, congestion detection and construction detection.



Click Add, and draw area in video image.

Rule List + Add Area

Area Name	Left Side Line	Right Side Line	Opera...
Area1	Solid White L	Solid White L	🗑️
Area2	Solid White L	Solid White L	🗑️



Event List + Add Event

Parking Dete... Traffic Event Detec...  Pedestrian D... Traffic Event Detec...  Congestion ... Traffic Event Detec...  Fallen Objec... Traffic Event Detec...  Construction... Traffic Event Detec...

Sensitivity  100

Parking Tolerance  10 sec

No Alarm When Congestion Occurs ...

Arming Polygon  Area1  Area2

Arming Schedule

## 2. Modify Features

NA

## 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.
- Hikvision is not liable for any typing or printing errors.

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<b>Supported Product List</b>		
<b>Product Category</b>	<b>Model Number</b>	<b>Platform Subtype</b>
7 Series DeepinView Camera	iDS-2CD8A47G0/SC-ZY(8-32mm)	IPCG
7 Series DeepinView Camera	iDS-2CD8A47G0/SC-ZY(2.8-12mm)	IPCG
7 Series DeepinView Camera	iDS-2CD7586G0-IZHS(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A86G0-IZHSY(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A26G0-IZHS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A46G0-IZHS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A46G0/S-IZHS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A86G0-IZHS(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7186G0-IZS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7186G0-IZS(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7146G0-IZS(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7526G0-IZHS(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7546G0-IZHS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7546G0-IZHSY(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7546G0/S-IZHS(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7586G0-IZHSY(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A46G0-IZHSY(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A26G0-IZHSY(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A26G0-IZHS(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A46G0-IZHS(2.8-12mm)(C)	IPCG

7 Series DeepinView Camera	iDS-2CD7126G0-IZS(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7526G0-IZHS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7526G0-IZHSY(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7526G0-IZHSY(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7546G0-IZHS(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7546G0/S-IZHS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7586G0-IZHS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7126G0-IZS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7146G0-IZS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7146G0/S-IZS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7146G0/S-IZS(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A26G0-IZHSY(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A86G0-IZHS(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A46G0-IZHSY(8-32mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A86G0-IZHSY(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7046G0-AP(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7026G0-AP(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7547G0-XZHS(2.8-12mm)	IPCG
7 Series DeepinView Camera	iDS-2CD7546G0-IZHSY(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7587G0-XZHS(2.8-12mm)	IPCG
7 Series DeepinView Camera	iDS-2CD7146G0-IZS(8-32mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7146G0-IZS(2.8-12mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7126G0-IZS(8-32mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7126G0-IZS(2.8-12mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7126G0-IZHSY(2.8-12mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7186G0-IZS(8-32mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7186G0-IZS(2.8-12mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7A87G0-XZHS(2.8-12mm)	IPCG

7 Series DeepinView Camera	iDS-2CD7A47G0-XZHS(2.8-12mm)	IPCG
7 Series DeepinView Camera	iDS-2CD7A46G0/S-IZHS(2.8-12mm)(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7186G0-IZHSY(2.8-12mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7146G0-IZHSY(8-32mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7146G0-IZHSY(2.8-12mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7126G0-IZHSY(8-32mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7186G0-IZHSY(8-32mm)(D)	IPCG
7 Series DeepinView Camera	iDS-2CD7046G0-AP/F11(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7046G0-AP(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7587G0-XZHSY(2.8-12mm)	IPCG
7 Series DeepinView Camera	iDS-2CD7547G0-XZHSY(2.8-12mm)	IPCG
7 Series DeepinView Camera	iDS-2CD7046G0/S-AP(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7086G0-AP(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7046G0-AP/F11(C)	IPCG
7 Series DeepinView Camera	iDS-2CD7A87G0-XZHSY(2.8-12mm)	IPCG
7 Series DeepinView Camera	iDS-2CD7A47G0-XZHSY(2.8-12mm)	IPCG
7 Series DeepinView Camera	iDS-2CD7A45G0-IZHS(4.7-118mm)	IPCG_LZ
7 Series DeepinView Camera	iDS-2CD7A45G0-IZS(4.7-118mm)	IPCG_LZ
7 Series DeepinView Camera	iDS-2CD7A45G0-IZHSY(4.7-118mm)	IPCG_LZ
7 Series DeepinView Camera	iDS-2CD7A45G0-IZSY(4.7-118mm)	IPCG_LZ
7 Series ANPR Camera	iDS-2CD7A46G0/P-IZHS(2.8-12mm)(C)	IPCG
7 Series ANPR Camera	iDS-2CD7A26G0/P-IZHS(8-32mm)(C)	IPCG
7 Series ANPR Camera	iDS-2CD7A46G0/P-IZHS(8-32mm)(C)	IPCG
7 Series ANPR Camera	iDS-2CD7A46G0/P-IZHSY(8-32mm)(C)	IPCG
7 Series ANPR Camera	iDS-2CD7A26G0/P-IZHSY(2.8-12mm)(C)	IPCG
7 Series ANPR Camera	iDS-2CD7A26G0/P-IZHS(2.8-12mm)(C)	IPCG
7 Series ANPR Camera	iDS-2CD7026G0/P-AP(C)	IPCG
7 Series ANPR Camera	iDS-2CD7547G0/P-XZHS(2.8-12mm)	IPCG

7 Series ANPR Camera	iDS-2CD7026G0/P-AP(C)	IPCG
7 Series ANPR Camera	iDS-2CD7046G0/P-AP(C)	IPCG
7 Series ANPR Camera	iDS-2CD7A46G0/P-IZHSY(2.8-12mm)(C)	IPCG
7 Series ANPR Camera	iDS-2CD7A26G0/P-IZHSY(8-32mm)(C)	IPCG
7 Series ANPR Camera	iDS-2CD7046G0/P-AP(C)	IPCG
7 Series ANPR Camera	iDS-2CD7547G0/P-XZHSY(2.8-12mm)	IPCG
7 Series ANPR Camera	iDS-2CD7A47G0/P-XZHSY(2.8-12mm)	IPCG
7 Series ANPR Camera	iDS-2CD7A47G0/P-XZHS(2.8-12mm)	IPCG
7 Series ANPR Camera	iDS-2CD7A45G0/P-IZHS(4.7-118mm)	IPCG_LZ
7 Series ANPR Camera	iDS-2CD7A45G0/P-IZHSY(4.7-118mm)	IPCG_LZ

*Note: Models in red font are newly released models.*