

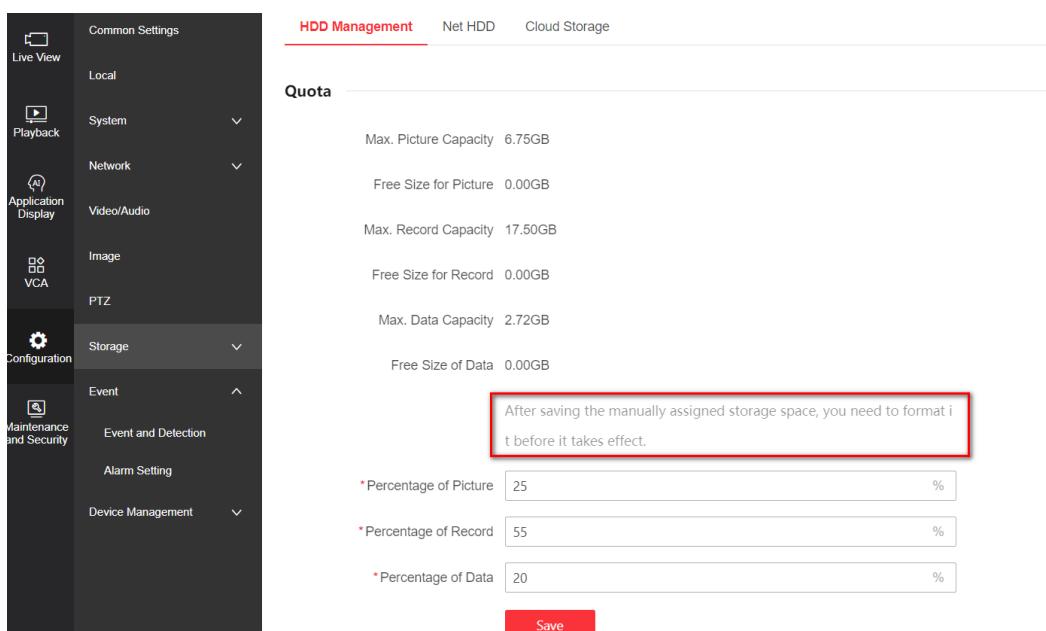
DeepinView Camera V5.9.23 Release Note

| | | |
|--------------------------------------|------------------|---|
| Firmware Basic Information | Firmware Version | Multi-Intelligence Models: IPCG_OS_V5.9.23_251223 ANPR Models: IPCG_SAP_V5.9.23_251223 |
|--------------------------------------|------------------|---|

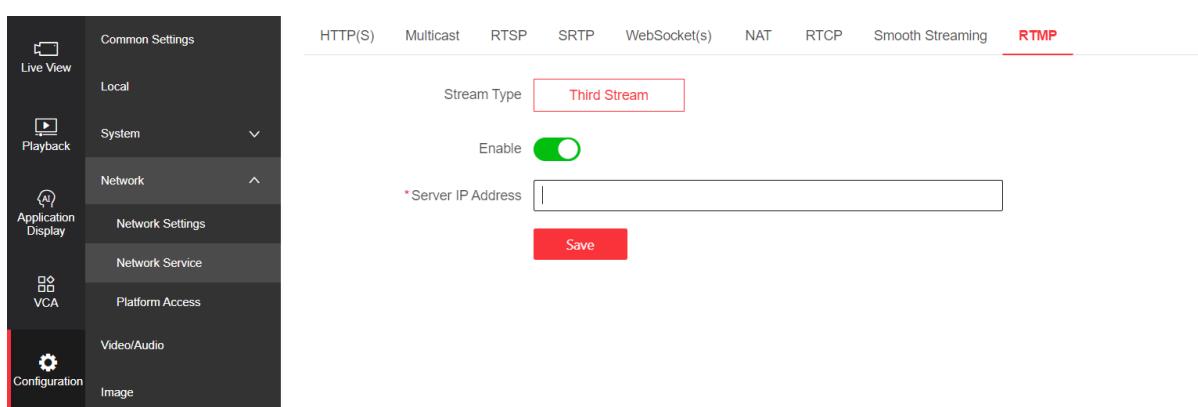
■ New Features

[General Function]

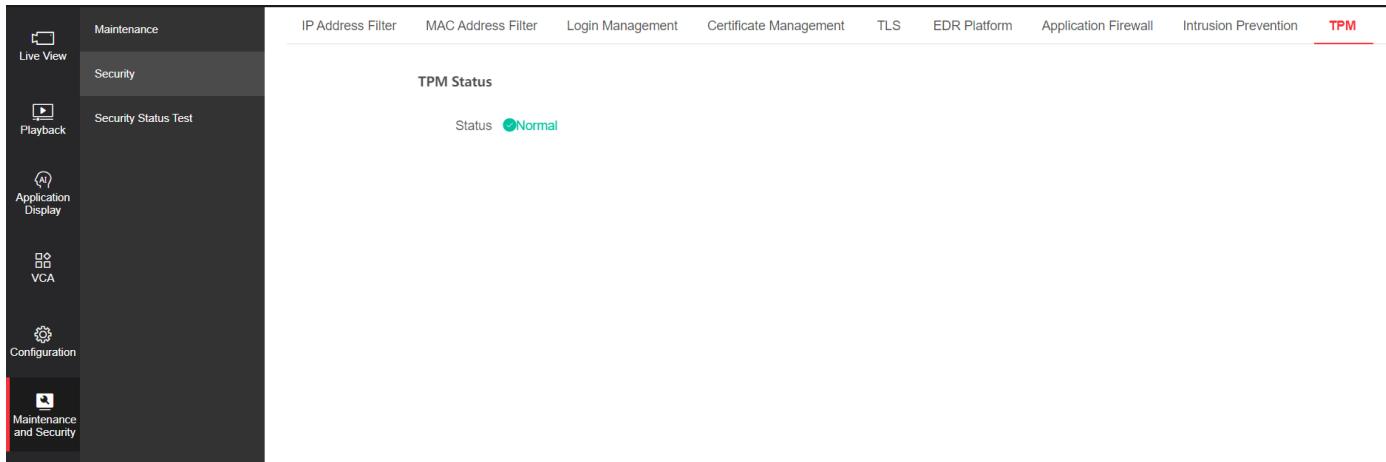
1. Newly released 16MP model: iDS-2CD7X166G2.
2. Newly support Hik-Connect cloud storage function, support event recording and continuous recording.
3. The storage page added a prompt message indicating that formatting is required after modifying the storage quota.



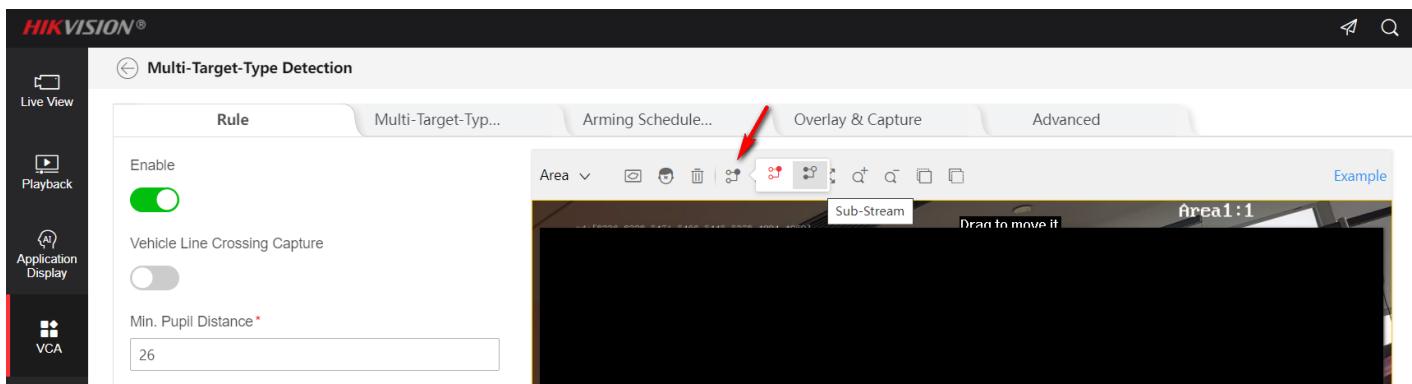
4. Support RTMP.



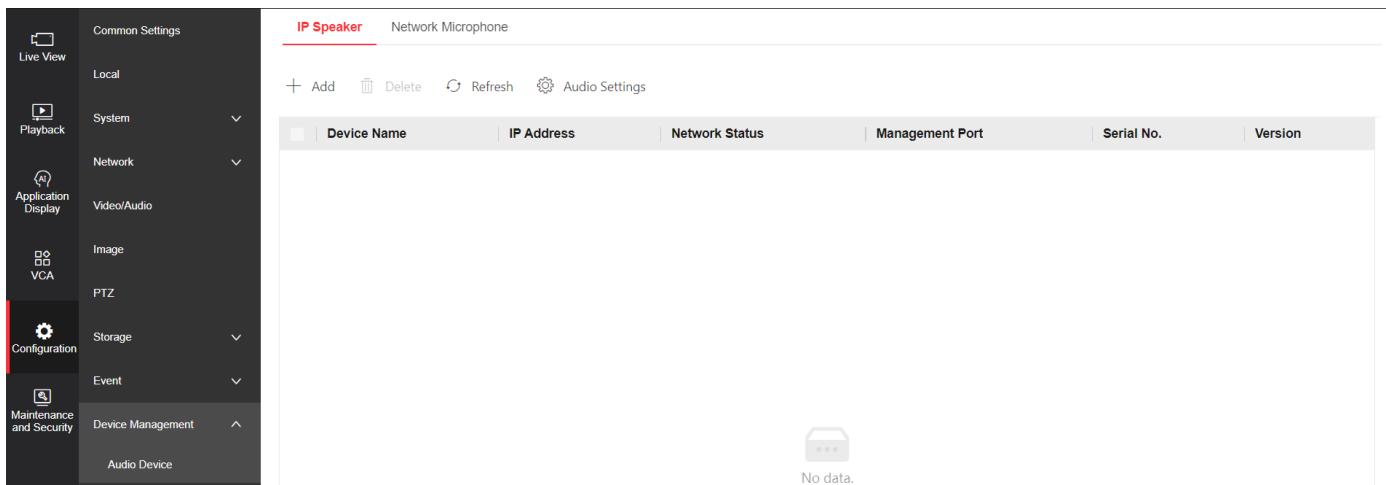
5. Support TPM status display.



6. Support switch to sub-stream on VCA- rule configuration page.



7. Support add network microphone and IP speaker.

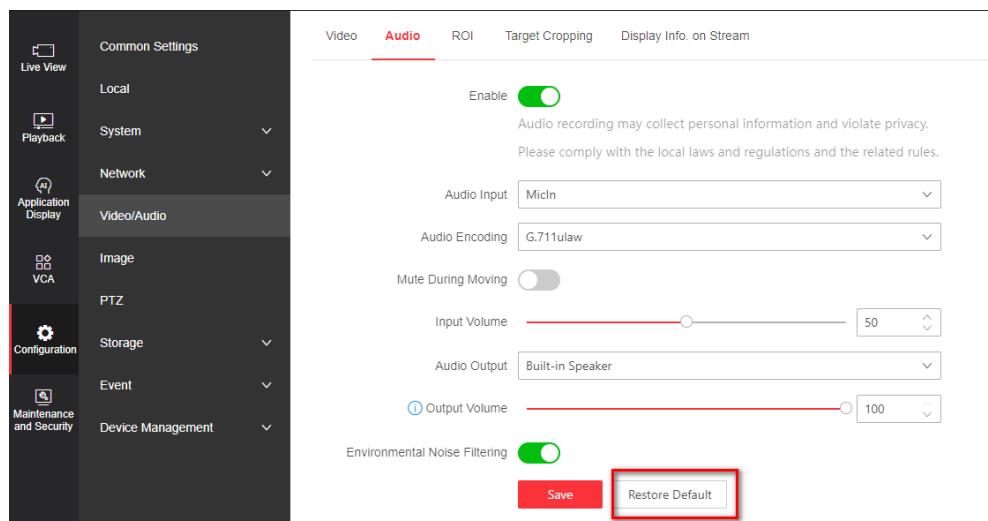


8. The event recording of the camera-side perimeter event supports marking human and vehicle in the video, facilitating identification and backup of event video clips at the central.
9. After enabling dynamic mosaic, the maximum resolution of the restored stream is increased to match the resolution of the main stream, and the frame rate of the original stream is reduced.

See the table below for details.

| Device Resolution | Resolution of the restore stream | Frame rate of the restore stream | Default frame rate of the original stream | Frame rate of the original stream (After enabling mosaic) |
|-------------------|----------------------------------|----------------------------------|---|---|
| 4MP | 2688×1520 | P: 25fps N: 30fps | P: 25fps N: 30fps | P: 25fps N: 30fps |
| 8MP | 3840×2160 | P: 25fps N: 24fps | P: 25fps N: 30fps | P: 25fps N: 30fps |
| 12MP | 4608×2592 | P: 20fps N: 20fps | P: 25fps N: 30fps | P: 20fps N: 20fps |
| 16MP | 4608×3456 | P: 15fps N: 15fps | P: 25fps N: 30fps | P: 15fps N: 15fps |

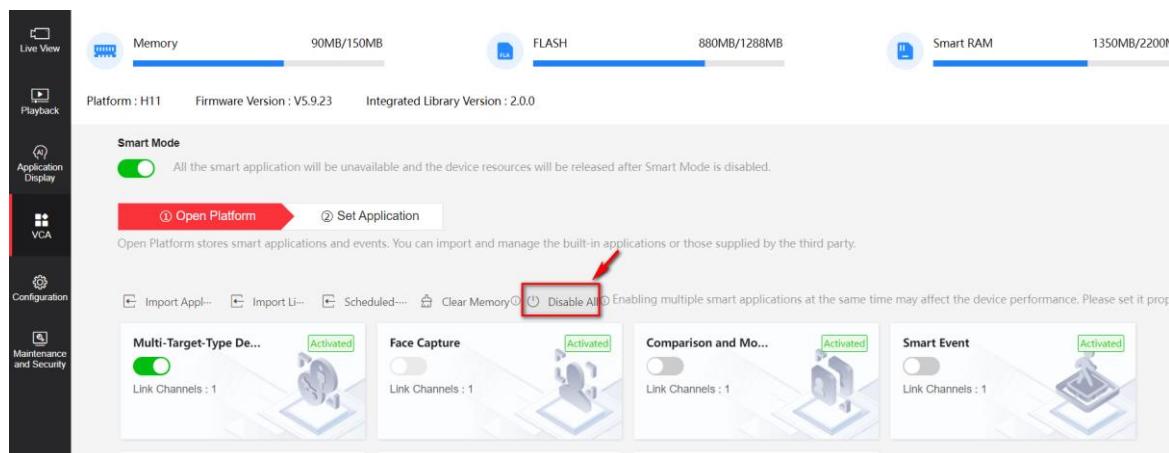
10. Add a restore default button in the audio interface.



11. The email address length is extended to 64 bits.

[VCA]

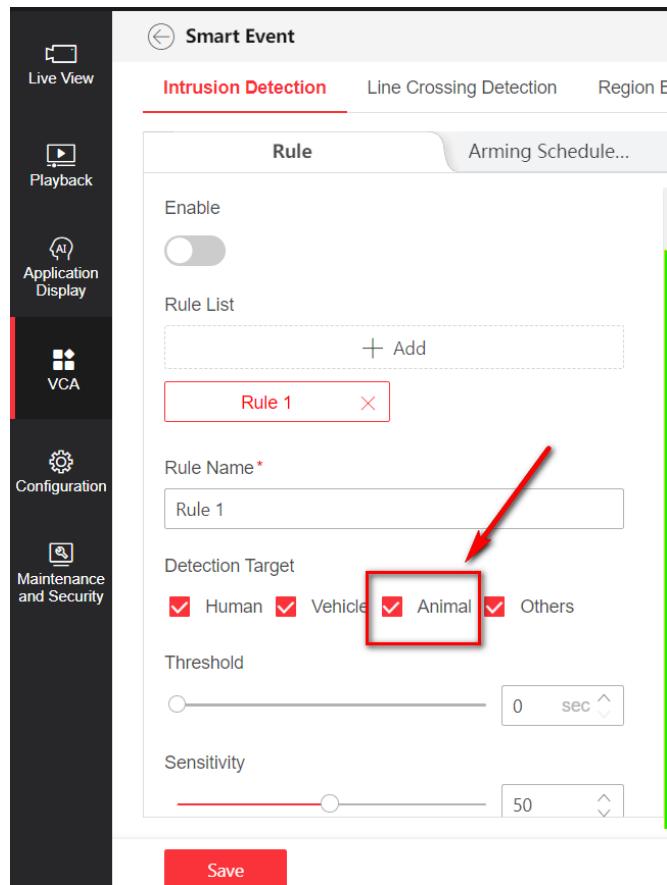
1. Support one-click to turn off all VCA resource.



2. Smart event support animal detection.

3. Support acuseek2.0, support face, license plate number, human body, vehicle, non-motorized

vehicle, and animal target + attribute information upload.



[IPCG_OS] Multi-Intelligence Models

1. **[People management]** Queue management supports regional people queuing-up and waiting time detect combined alarm settings.

Supports two combination modes: alarm will be triggered when both rules are satisfied, and alarm will be triggered when any rule is satisfied.

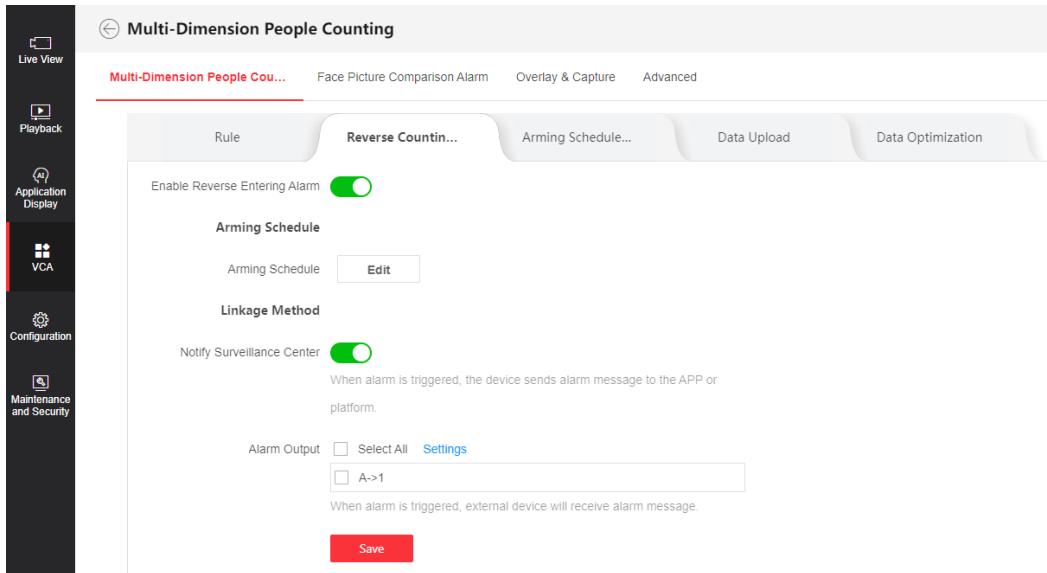
The screenshot shows the 'Queue Management' tab selected in the top navigation bar. The 'Rule' tab is active. The 'Alarm Combination Settings' section is highlighted with a red box. It contains two radio button options: 'Alarm will be triggered when both Regional Pe...' (unchecked) and 'Alarm will be triggered when any detection rule i...' (checked). Below this are sections for 'Regional People Queuing-Up' and 'Waiting Time Detection', each with a toggle switch, alarm trigger condition dropdown, and alarm threshold input field. The 'Queue Duration Prediction' section is partially visible. A 'Save' button is at the bottom.

2. **[People management]** Queue management supports scheduled data upload according to the stay period.

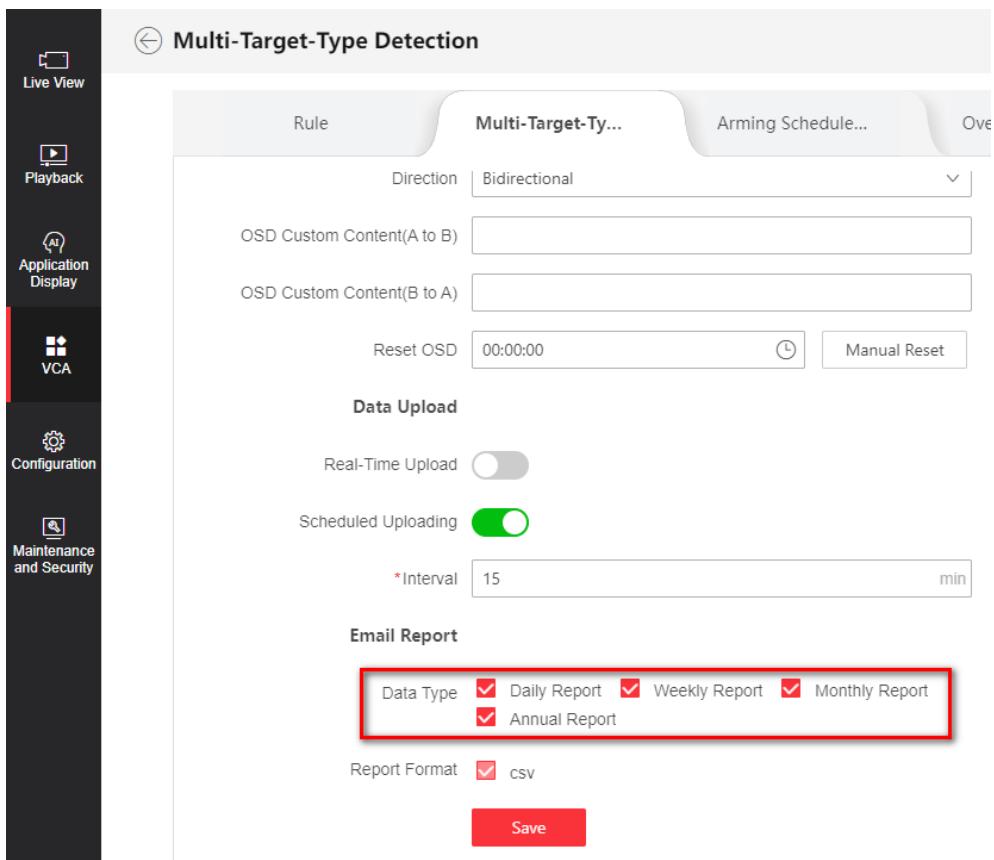
The screenshot shows the 'Queue Management' tab selected. The 'Data Upload' tab is active. The 'Real-Time Upload' and 'Scheduled Uploading' toggle switches are on. The 'Interval' dropdown is set to '30min'. The 'Alarm Mode' section shows 'Stay Period' (radio button checked) selected. The 'Set Stay Period' section has a 'Stay Period(0/4)' table with a 'No.' column, a 'Time(sec)' column, and an 'Operation' column. The 'Scheduled Upload Real-Time' section shows a 'Number of People' dropdown and an 'Interval' dropdown set to '30min'. A 'Save' button is at the bottom.

3. **[Multi-Dimension People Counting]** The multi-dimension people counting categorizes attributes without detected faces as unknown.

4. **[Multi-Dimension People Counting]** Multi-dimension people counting supports reverse entering alarm.



5. **[Multi-Target-Type detection]** The multi-target type counting email report will be pushed once daily, weekly, monthly, and yearly according to the actual configuration frequency, solving the issue of frequent daily pushes.

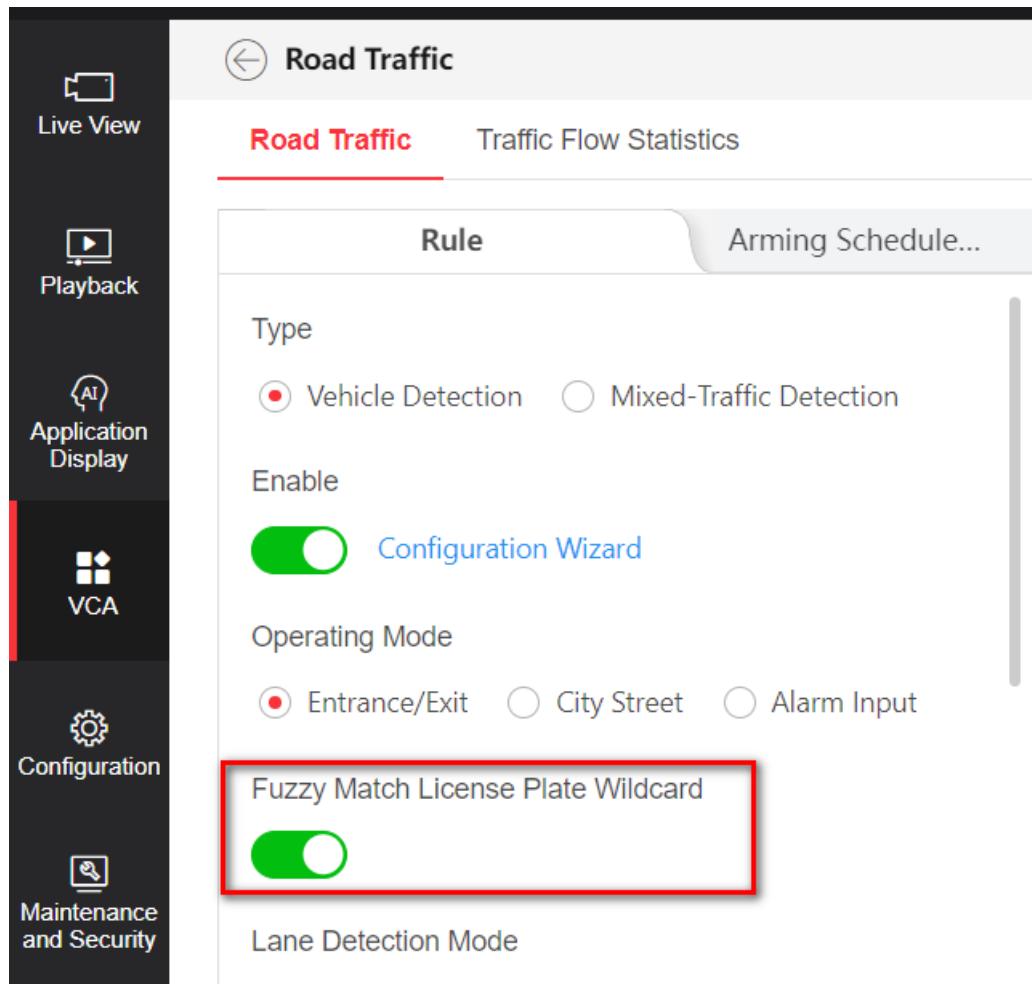


[IPCG_SAP]ANPR Models:

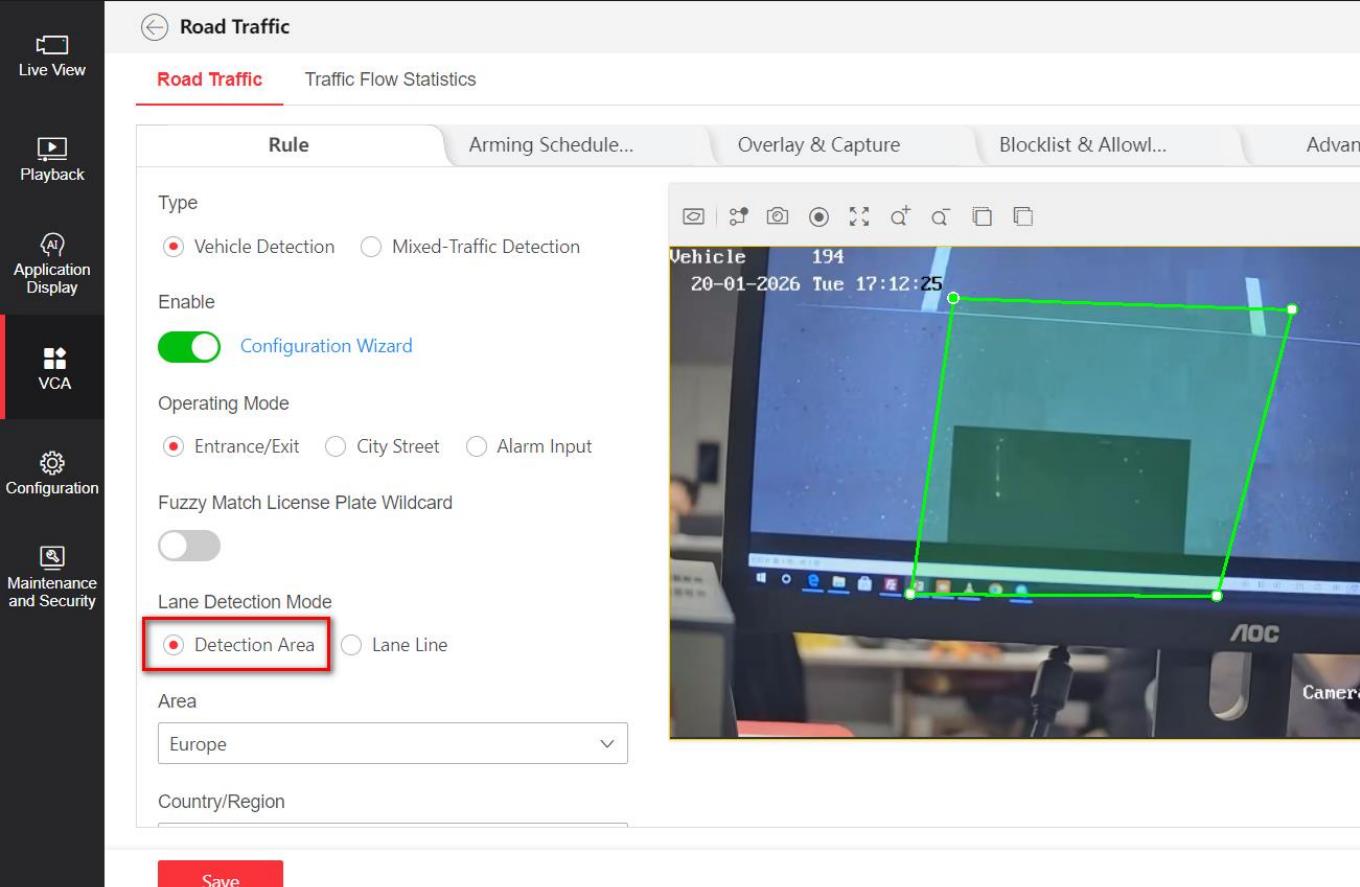
1. **[Road Traffic]** Add country/region, vehicle type, vehicle brand, and vehicle color information

overlay in the ANPR background image text and in FTP file naming.

2. **[Road Traffic]** Support fuzzy match license plate wildcard function. Support importing license plates starting with specific characters in the allowlist & blocklist. When a license plate number of *xxx* is imported into the allowlist & blocklist, and enable fuzzy match license plate wildcard function, all license plates starting with xxx can successfully match with allowlist & blocklist and trigger the alarm linkage.



3. **[Road Traffic]** Support configure a detection area instead of configure lane lines



Road Traffic

Road Traffic Traffic Flow Statistics

Rule Arming Schedule... Overlay & Capture Blocklist & Allowl... Advan

Type Vehicle Detection Mixed-Traffic Detection

Enable Configuration Wizard

Operating Mode Entrance/Exit City Street Alarm Input

Fuzzy Match License Plate Wildcard

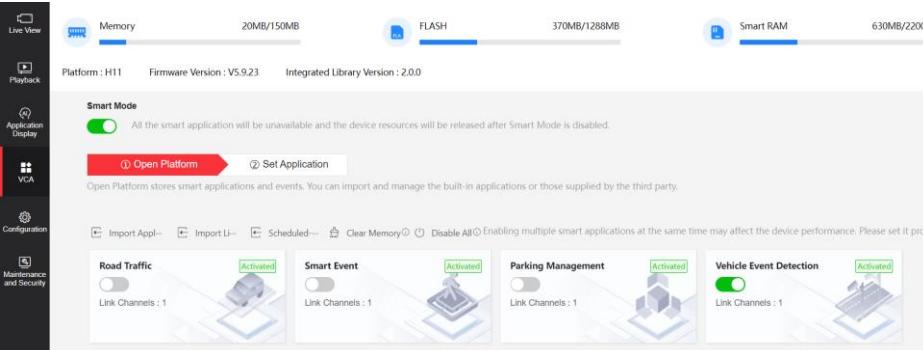
Lane Detection Mode Detection Area Lane Line

Area

Country/Region

Save

4. **[Road Traffic]** The license plate blocklist and allowlist supports a maximum of 50000 license plates.
5. **[Road Traffic]** Integrated new algorithm to support license plate re-detection during reverse driving.
6. **[Road Traffic]** Baseline version supports Hong Kong and Macau license plate number recognition.
7. **[Road Traffic]** The date format of the ANPR image overlay is consistent with the date format configured in the OSD.
8. **[Vehicle Event Detection]** Newly add Vehicle Event Detection VCA resource, which supports parking detection and congestion detection.



Memory 20MB/150MB

FLASH 370MB/1288MB

Smart RAM 630MB/2200V

Platform : HT1 Firmware Version : V5.9.23 Integrated Library Version : 2.0.0

Smart Mode All the smart application will be unavailable and the device resources will be released after Smart Mode is disabled.

Open Platform **Set Application**

Open Platform stores smart applications and events. You can import and manage the built-in applications or those supplied by the third party.

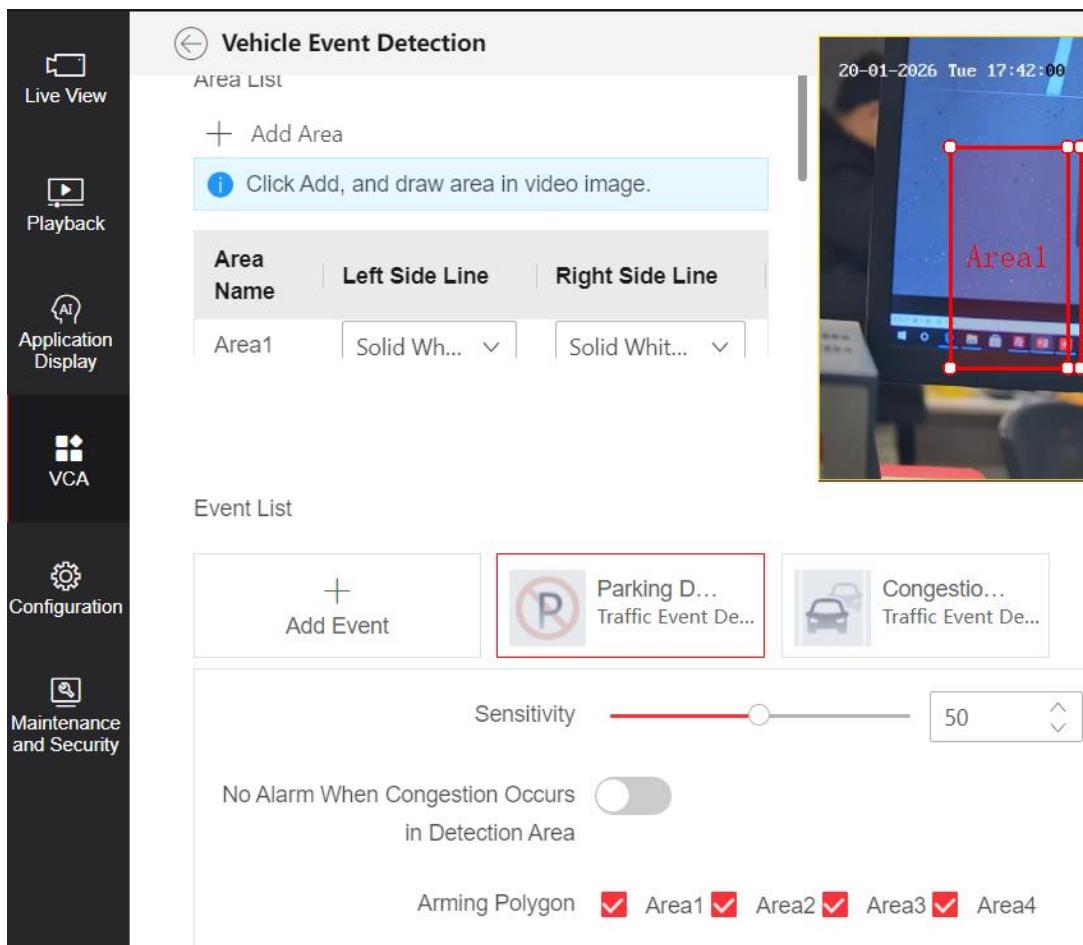
Import Appl... Import L... Scheduled... Clear Memory Disable All Enabling multiple smart applications at the same time may affect the device performance. Please set it properly.

Road Traffic Link Channels : 1 **Activated**

Smart Event Link Channels : 1 **Activated**

Parking Management Link Channels : 1 **Activated**

Vehicle Event Detection Link Channels : 1 **Activated**



■ 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.
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