DeepinView Camera V5.9.22 Release Note

| Firmware Basic Information	Firmware Version	**Multi-Intelligence Models:** IPCG_OS_ V5.9.22_250805 IPCG_OS_ V5.9.22_250820 **ANPR Models:** IPCG_SAP_ V5.9.22_250805 IPCG_SAP_ V5.9.22_250820

WARNING!!!

1. 75X6G2 cannot upgrade to this version. If an upgrade is required, please contact the HQ technical support team to obtain the firmware.

2. 75X7G2 below V5.9.22 need to upgrade the intermediate program before upgrading to version V5.9.22. Please contact the HQ technical support team.

3. Downgrading to earlier versions is not supported after upgrading to V5.9.22.
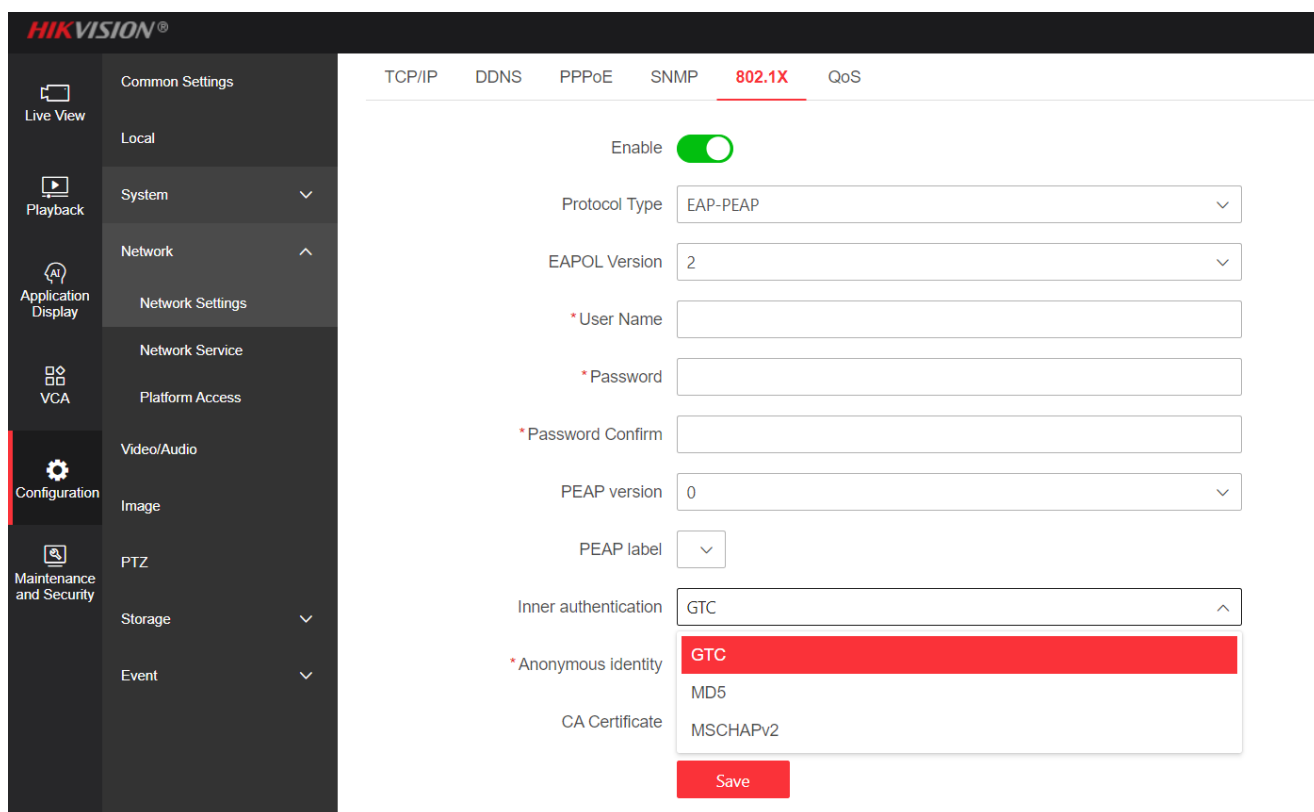

■ New Features

[General Function]

1. This version is compatible with all models released in versions V5.9.10, V5.9.20, and V5.9.21.

2. The model with an RS485 interface supports connect external supplemental light via 485.
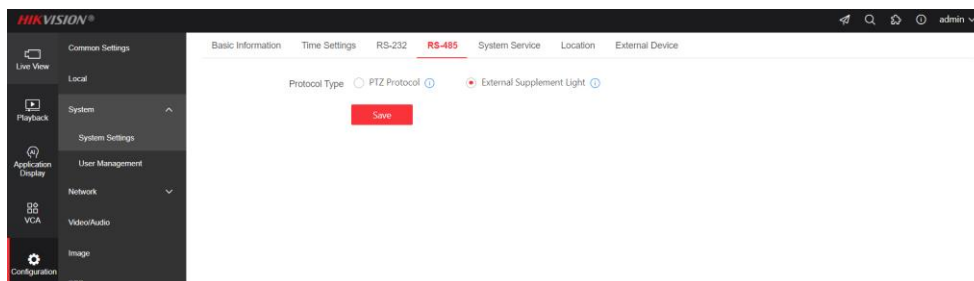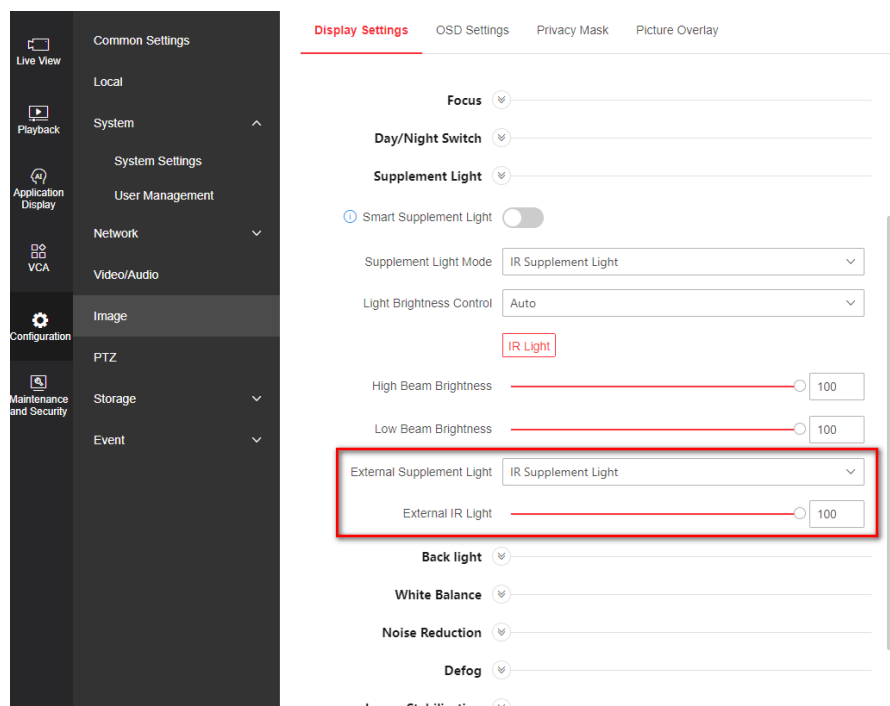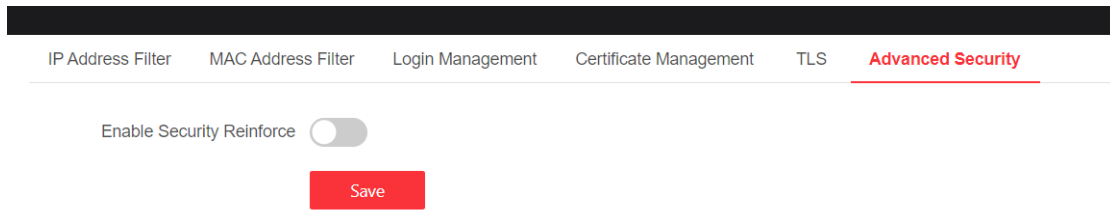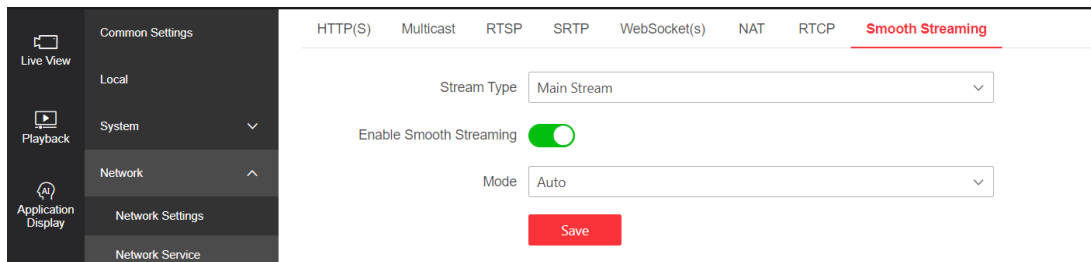
3. Newly released 4G models.

4. The 12MP model supports EIS, EPTZ, NTSC 30fps, and AI-ISP.

5. Support the 802.1x EAP-GTC and MSCHAP V2 protocols. 802.1x EAP 1.2 supports a maximum 32-bit key.

6. Support Common Criteria EAL3+ and EUCC certification.

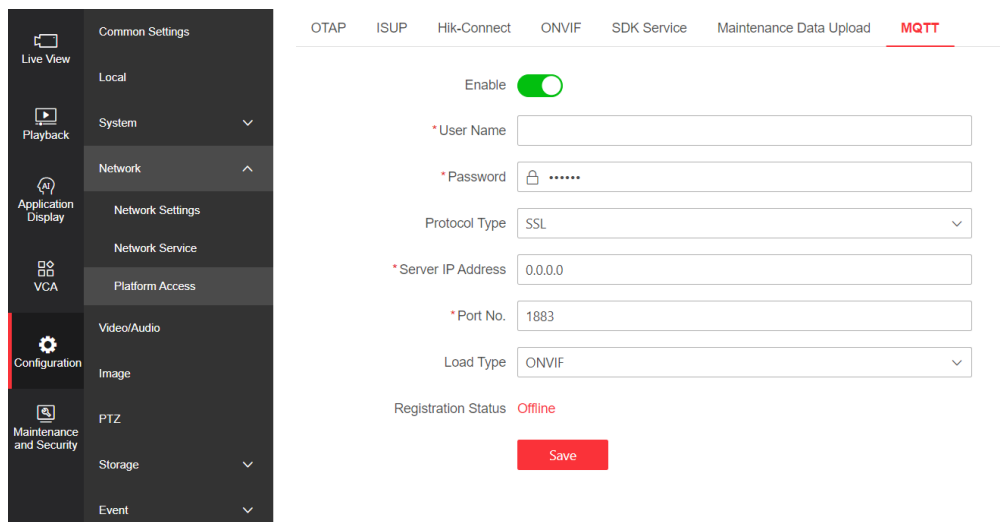| IP Address Filter | MAC Address Filter | Login Management | Certificate Management | TLS | **Advanced Security** |

Enable Security Reinforce
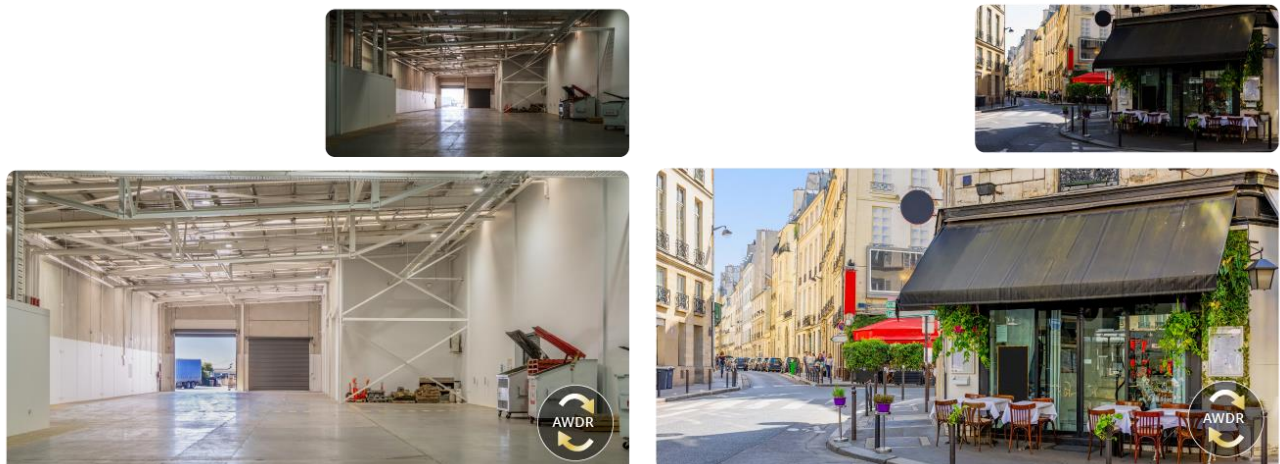
Save

7. Support NPQ.

8. Support ShotN switching without reboot.

9. Support MQTTS.

10. Support ONVIF Profile and MQTT functionality expansion.

11. Improved the auto WDR effect.

12. Support issue facial picture via ISAPI protocol using binary data.

13. Support FTP image upload overwrite function.


14. The Alarm Server [HTTP listening] function upgraded.

1) HTTP custom request supports GET method with Digest authentication .

2) ANPR alarm supports heartbeat connection.

3) ANPR alarm add vehicle model, color, and brand fields to the HTTP listening protocol.

4) ANPR alarm can distinguish between real-time alarms and alarms transmitted after network disconnection and reconnection.
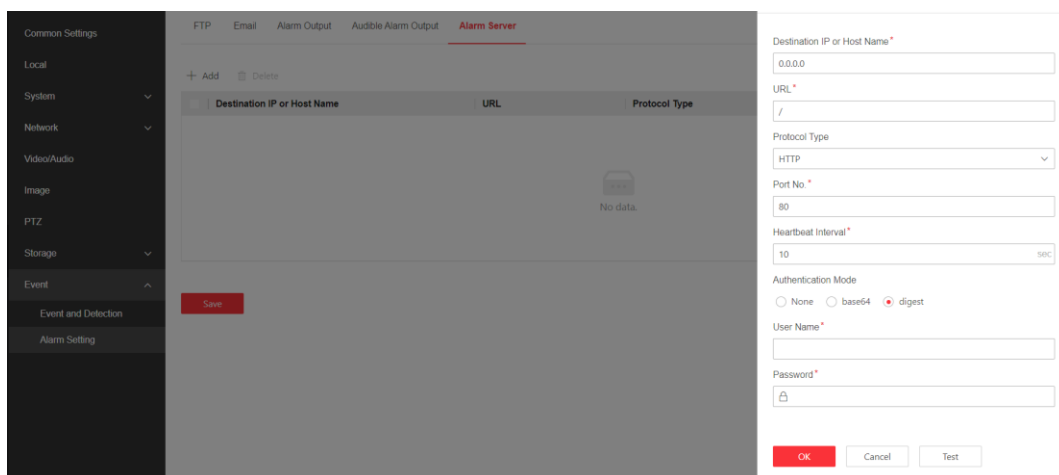
15. The PTRZ VR panoramic view supports a one-click function to adjust the PTRZ angle. When a position in the panoramic image is clicked, the device automatically rotates to the corresponding position.
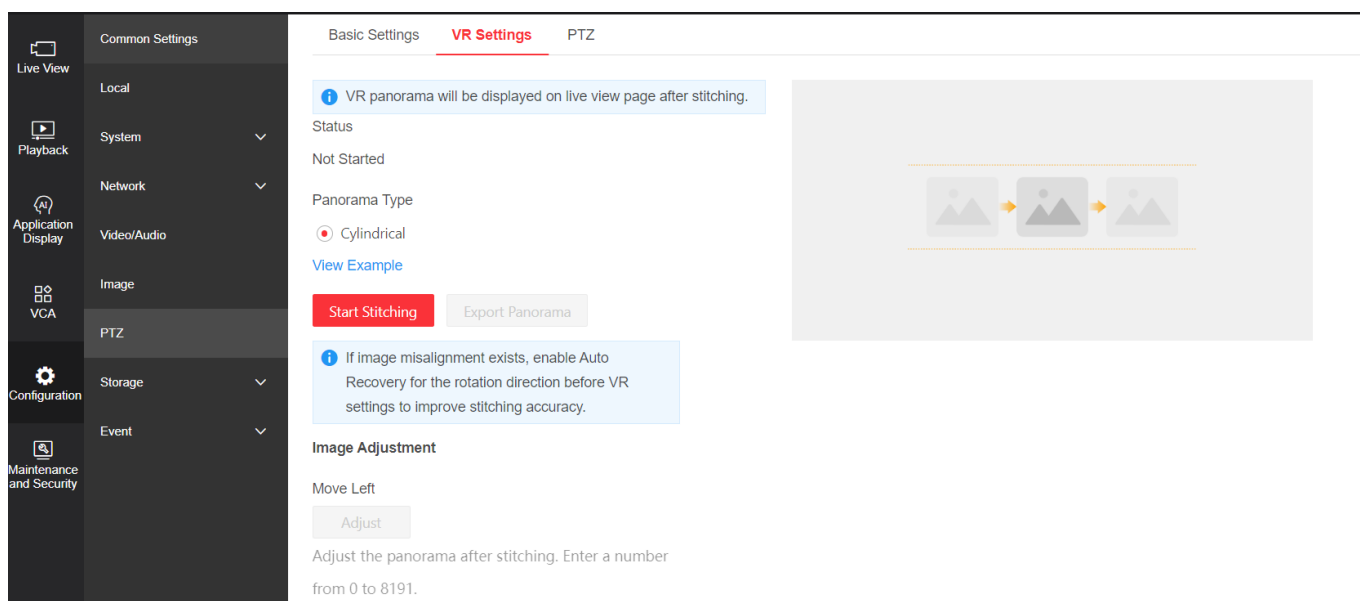
16. Support Sound Classification detection, including crying sound, gunshots and explosion sound, scream, and glass break.

[VCA]

1. Upgrade the perimeter algorithm and support advanced configuration.

2. Support HEOP. HEOP function enables technology partners to develop and run their own applications on Hikvision's hardware to suit the specific needs and unique installation scenarios

of customers. Support self-uninstallation, installation and upgrade of third party app.
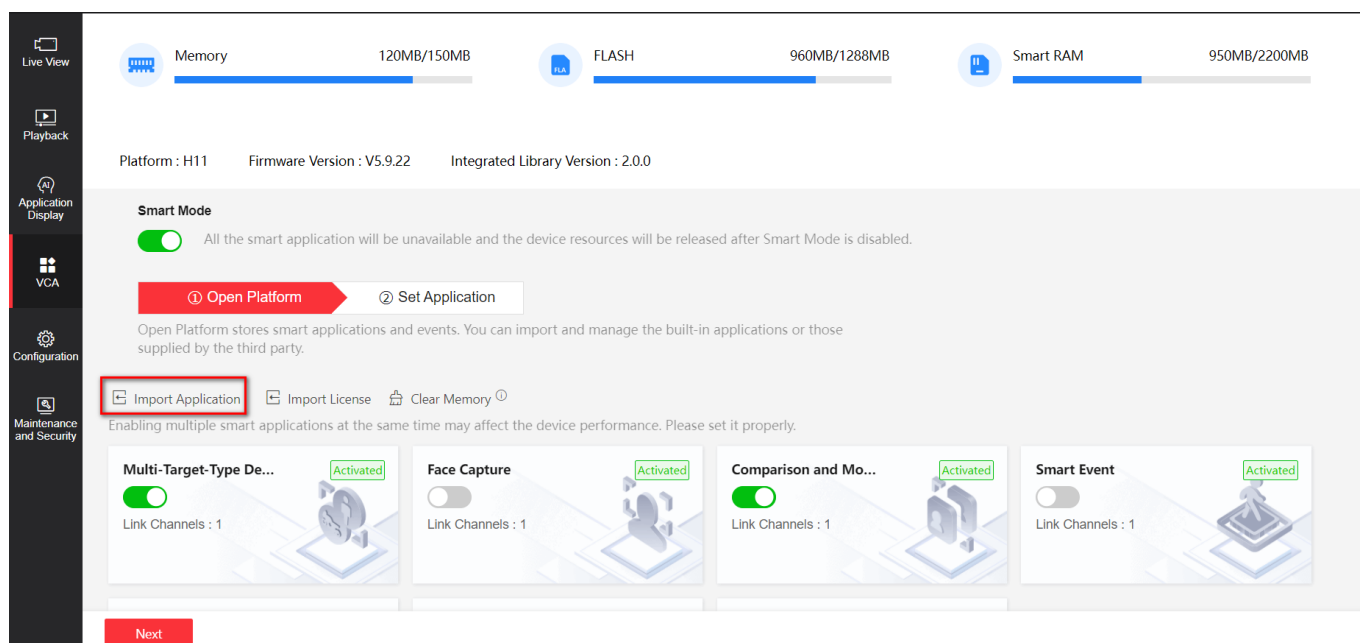

3. The intelligent APP adds resource version display, mainly including APP version, DSP version, and web version, to facilitate checking resource update status.

4. The VCA interface supports memory cleanup.
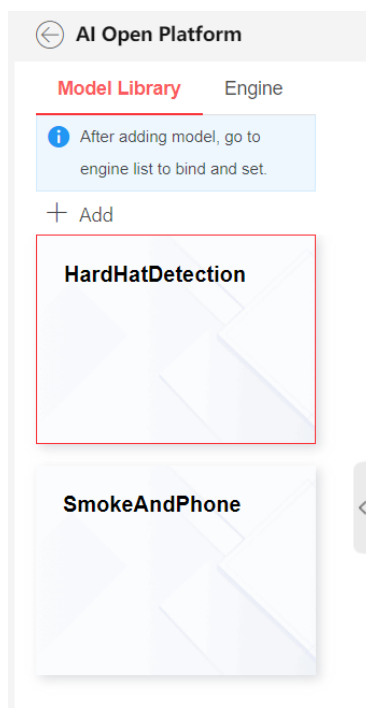
[IPCG_OS] Multi-Intelligence Models

1. **[Multi-Target-Type detection]** Multi-Target-Type detection mode supports vehicle license plate recognition.

2. **[Multi-Target-Type detection]** Support simultaneous enable of **Multi-Target-Type detection** and **Comparison and Modeling** modes.
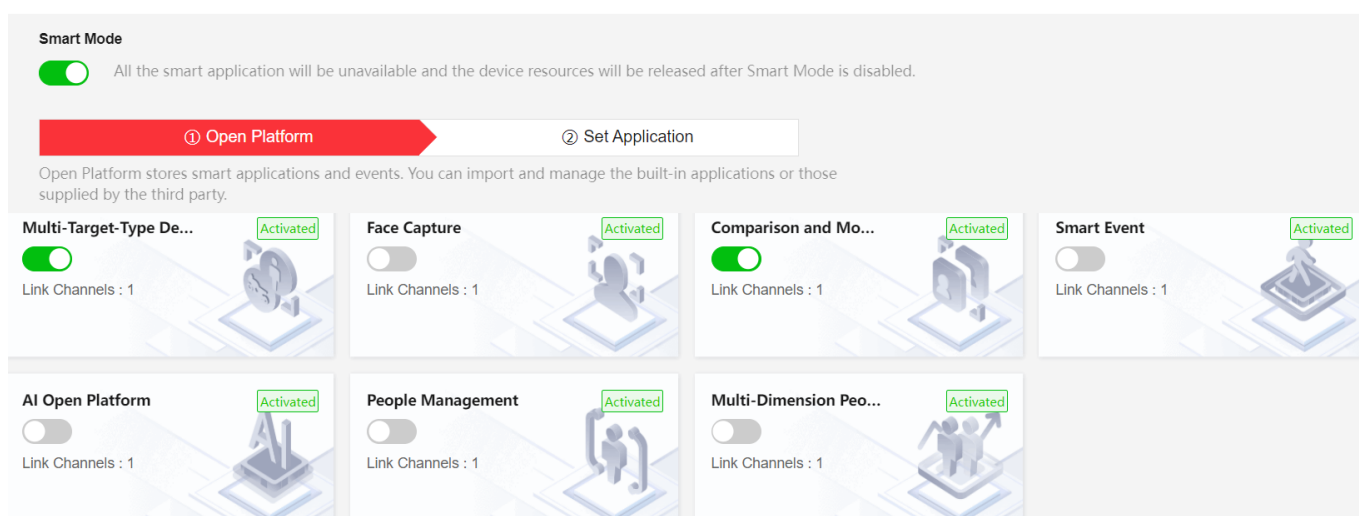
3. **[AIOP]** Built-in smoking detection and phone model under the AIOP mode.

4. **[AIOP]** The built-in model of the Hardhat is upgraded, support the safety helmet + reflective vest detection.
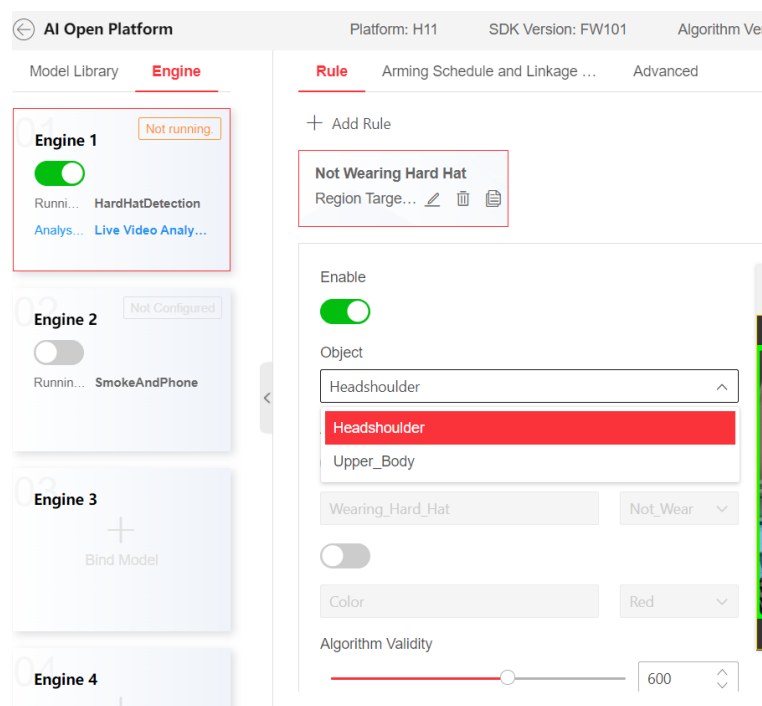
5. **[AIOP]** Support image comparison and structured/unstructured OCR recognition

[IPCG_SAP]ANPR Models:

1. Support export license plate recognition report.

2. Newly add Parking Management VCA resource.

- ■ **Modify Features**

V5.9.22_250805:

1. Fixed the issue of the camera continuously rebooting after Hik-Connect comes online.

2. **[ANPR]** Fixed the problem of category being repeatedly superimposed in front of license plate numbers, and fixed the problem of incorrect plate type recognition.

V5.9.22_280820:

Fixed the problem of abnormal tail light display on the box camera.

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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