

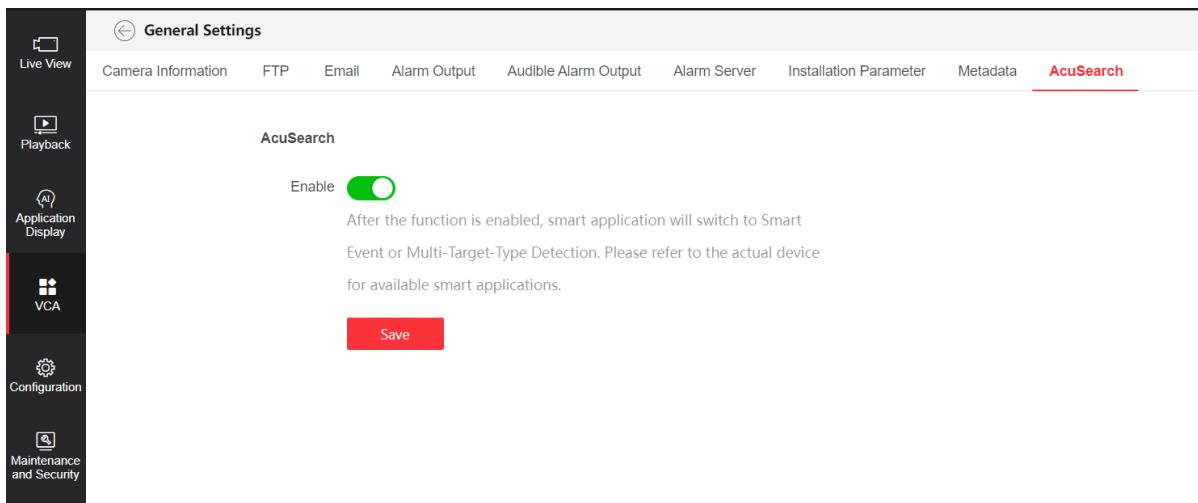
7 Series DeepinViewX Cameras Firmware Version: V5.9.0

Release Note

Firmware Basic Information	Firmware Version: V5.9.0 build 250928 V5.9.0 build 251119
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● New Features

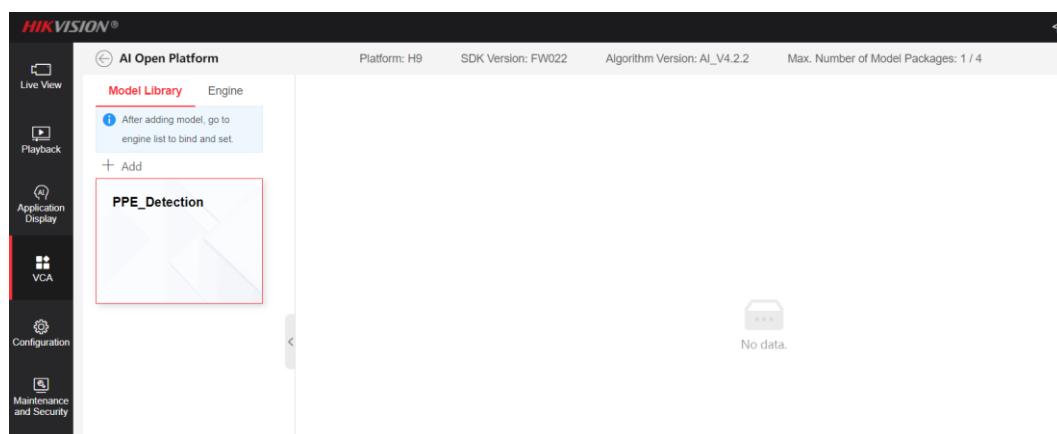
1. Newly released 7 series large-scale AI cameras.
2. Support large-scale perimeter protection function and support AcuSearch.



3. Support large-scale AIOP algorithm.

Support detect large models and small models, dual detection small models, classification large models, hybrid large models, OCR large models, OCR video analysis, image comparison, semantic segmentation, OVD large models, OVD small models. OVD accuracy rate 70%.

4. AIOP built-in large model PPE detection algorithm that supports detect safety helmets and reflective clothing.



5. Support large-scale ANPR algorithm.
6. Support Monitoring mode.
7. VCA resource mutually exclusive and cannot be enabled at the same time. AIOP is enabled by default.
8. Support G-sensor support vibration detection.
9. Support AISP.

Note:

- 1) When AISP is enabled, the 8MP model reduces the frame to 12.5 fps for PAL and 15 fps for NTSC of main stream, sub stream and third stream.
- 2) AISP and AIOP cannot be enabled simultaneously. When AIOP is enabled, AISP is automatically disabled.
- 3) AISP and ANPR can be enabled simultaneously.
- 4) The image parameters used when enabling AISP and disabling AISP are different, therefore the image effect varies when switching AISP on and off.
- 5) True WDR and AISP are mutually exclusive. If WDR is enabled, AISP becomes invalid although the interface switch remains on.

10. Support TPM.

● **Modify Features**

V5.9.0 build 251119:

1. OVD detection 300 target verification.
2. AIOP integration with HCP, built-in PPE detection model integration with HCP, model package retrieval is normal, model package can be issued through HCP, HCP can receive AIOP alarms.
3. Fix the Brazilian ANPR license plate recognition issue.

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:

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