

Network Camera Firmware

Version: V5.5.121

Release Note

(2020-5-9)

Firmware Basic Information	Firmware Version:	V5.5.121 build200427
	Encoding Version	V7.3 build 200427
	Web Version	V4.0.1 build 200422
	Plugin Version	3.0.7.30

Reason of Upgrade

Upgrade for supporting iDS-2CD7026G0/S, iDS-2CD7146G0/S, iDS-2CD7186G0/S, iDS-2CD7546G0/S, iDS-2CD7586G0/S, iDS-7A46G0/S, iDS-7A86G0/S models. Upgrade for supporting new features and new protocols.

New features

1. Support iDS-2CD7026G0/S, iDS-2CD7146G0/S, iDS-2CD7186G0/S, iDS-2CD7546G0/S, iDS-2CD7586G0/S, iDS-7A46G0/S, iDS-7A86G0/S now – smart events, queue management, safe hat detection are supported.
2. Special characters of overseas license plate support Russian license plate, German license plate, and other special characters not supported are displayed with #.
3. Overseas ANPR baseline cameras support area ‘Europe Region’ and Country/Region settings default as ‘General’.

Note: Adjust the zoom ratio of the camera so that the size of the vehicle in the image

Total Number of Lanes	<input type="text" value="1"/>
Region	<input type="text" value="Europe Region"/>
Country/Region	<input type="text" value="General"/>
Select Mode	<input type="text" value="Entrance/Exit"/>
Detection mode	<input type="text" value="License Plate & Vehicle"/>

4. The overseas ANPR models supports Detection mode: Vehicle Priority and License Plate & Vehicle. Default is the License Plate & Vehicle mode. The mix-traffic mode only supports Vehicle Priority mode.
 - 1) In License Plate & Vehicle mode, it will adjust to recognize license plate first or vehicle first according to the scene. In some scenes it might be too dark to recognize a vehicle's scale and this mode can deal with it. In the normal scenes, this mode can recognize the vehicle's scale first then recognize the license plate.
 - 2) In Vehicle Priority mode, it will always recognize the vehicle's scale first, then recognize the license plate. This mode can avoid the scenario which somebody holds a license plate in his hands to access the E&E.
5. The overseas ANPR models' Day/Night switch now supports Trigger by Video mode and default is the Trigger by Video mode. In trigger by video mode, The exposure mode is automatic, the gain is released and adjusted manually, and other parameters are consistent with day/night switching Auto.

Difference between Auto:

- 1) Auto mode is more used for general monitoring and emphasizes color effect, so it will switch to night very late and back to day very early. However, trigger by video mode is required to switch to night earlier, turn on light supplement and turn off light supplement later to adapt to license plate capture, so as to avoid license plate not being grasped in the case of not very bright in the evening and in the morning.
- 2) In auto mode, the gain is not released. In trigger by video mode, the gain is released to adjust and suppress the overexposure of lights and license plates.

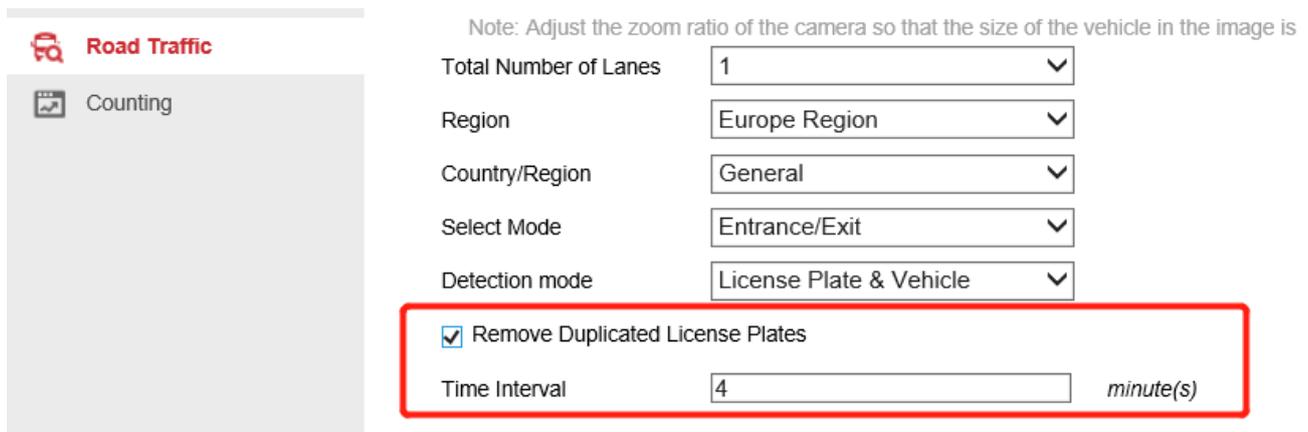
^ Day/Night Switch

Day/Night Switch	Triggered by Video
Sensitivity	4
Filtering Time	<input type="range"/> 5
Smart Supplement Light	ON
Mode	Auto

6. The detection and identification area of overseas ANPR camera is changed to the full picture, instead of automatically framing a small detection area according to the lane line, which does not affect the user interface configuration, but only affects the algorithm layer.

7. Overseas ANPR camera now support Remove Duplicate License Plates enable. The time can be configured and it is enabled by default.

- 1) Under the enable brand, add time range configuration, 1-5min, 4min by default. After enable, the same license plate will be filtered out for a period of time and will not be recognized. This solves the problem that when some vehicles pass through the entrance, the front and rear of the vehicle are photographed twice in a row.
- 2) Since the same license plate filtering algorithm can only cache 8 license plates at most, if there are more than 8 license plates in the time period, the 8 license plates shall prevail and the time period is not accuracy.



Note: Adjust the zoom ratio of the camera so that the size of the vehicle in the image is

Total Number of Lanes: 1

Region: Europe Region

Country/Region: General

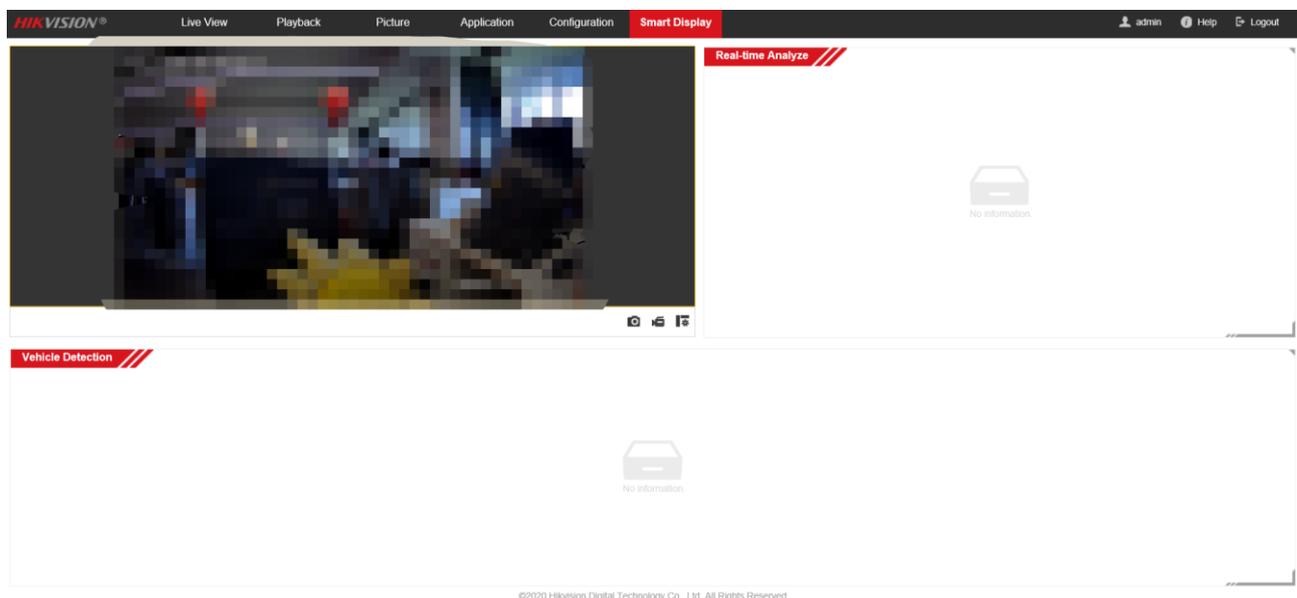
Select Mode: Entrance/Exit

Detection mode: License Plate & Vehicle

Remove Duplicated License Plates

Time Interval: 4 minute(s)

8. Now Overseas ANPR cameras will display the real-time ANPR result in the Smart Display web interface.



HIKVISION® Live View Playback Picture Application Configuration Smart Display admin Help Logout

Real-time Analyze

No information

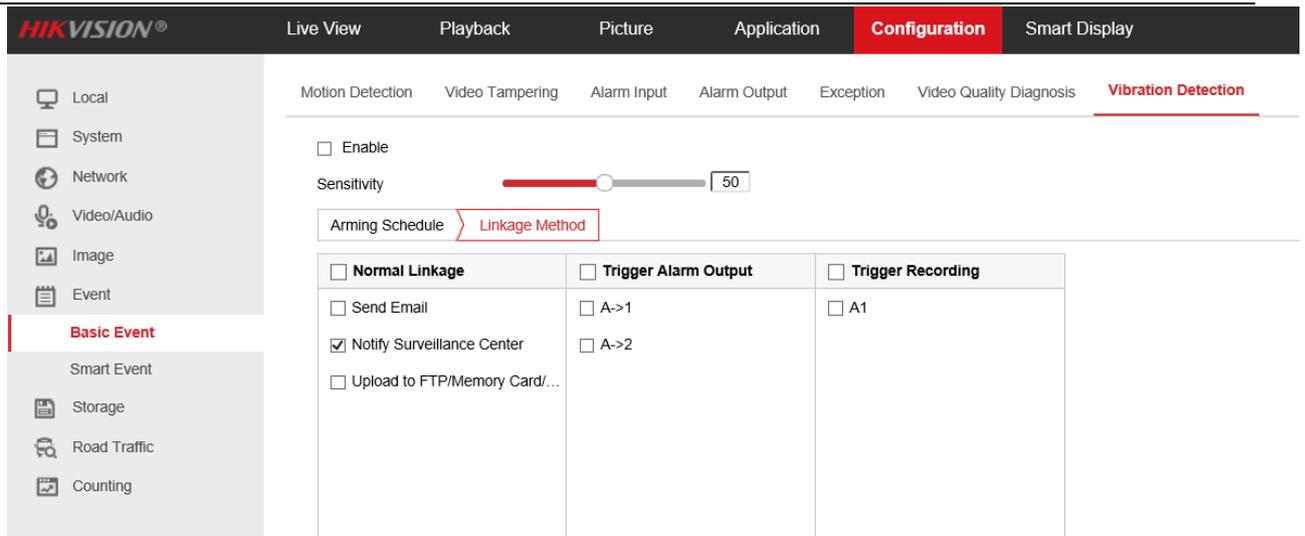
Vehicle Detection

No information

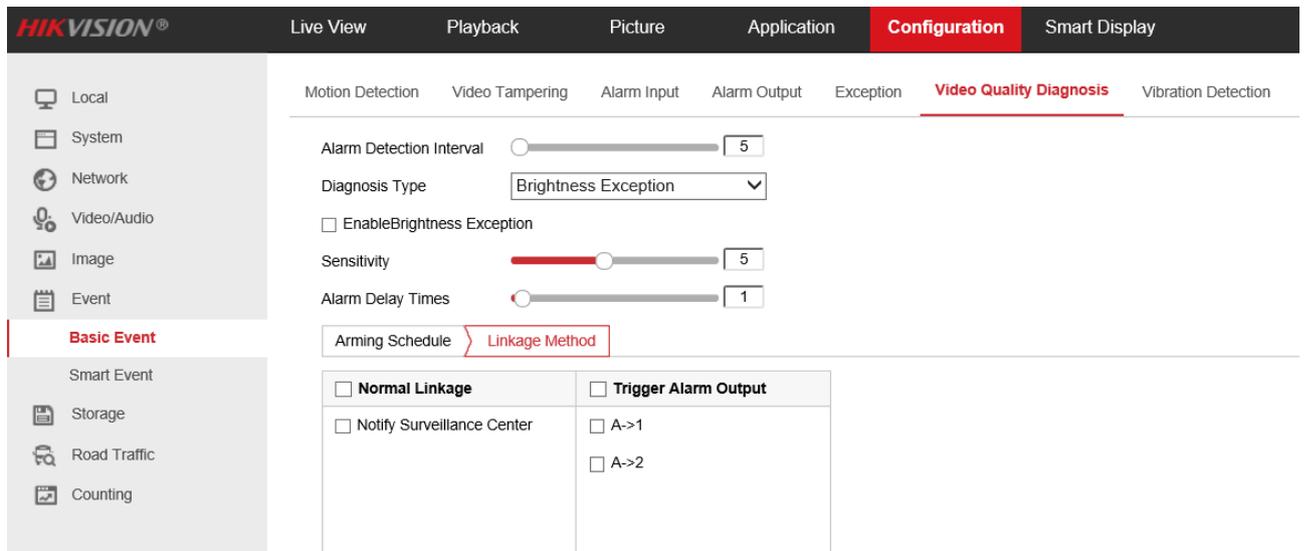
©2020 Hikvision Digital Technology Co., Ltd. All Rights Reserved.

9. Vehicle Detection now supports brand, type, color recognize.

10. 70 and 7A series now support Vibration Detection and is not enabled by default. The sensitivity is 50 by default. It will alarm only when it is knocked hard.



11. Now supports Video Quality Diagnosis. The Alarm reporting interval is the result of Alarm Detection Interval multiply the Alarm Delay Times.



12. Dynamic License ROI, Dynamic Face ROI and Face Detection have been removed since their bad performance.
13. In Smart Event, If the event snapshot is not configured, upload a 2MP background picture effective in both FTP and Surveillance Center. If the event snapshot is configured, upload one 2MP background picture and pictures which the resolution, pieces as user has configured before in FTP. Only one 2MP background picture will be uploaded when selected Notify Surveillance Center.
14. The HTTP Listening is renamed to Alarm Server.

The screenshot shows the Hikvision web interface. On the left is a navigation menu with categories: Local, System, Network, Basic Settings, **Advanced Settings** (highlighted), Video/Audio, Image, Event, Storage, and Road Traffic. The main content area has a top navigation bar with tabs: SNMP, FTP, Email, Platform Access, HTTPS, QoS, 802.1x, Integration Protocol, Network Service, Smooth Streaming, **Alarm Server** (highlighted with a red arrow), and SRTP. Below the tabs is the 'HTTP Data Transmission' configuration page. It features a table with columns: Destination IP or Host Name, URL, Protocol, Port, and Test. There are three rows, each with '0.0.0.0' in the first column, '/' in the second, 'HTTP' in the third, and '80' in the fourth. Each row has a 'Test' button in the fifth column. A 'Default' button is located at the top right of the table. Below the table is a red 'Save' button.

Destination IP or Host Name	URL	Protocol	Port	Test
0.0.0.0	/	HTTP	80	Test
0.0.0.0	/	HTTP	80	Test
0.0.0.0	/	HTTP	80	Test

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.

Hikvision Digital Technology CO., Ltd.
No. 555 Qianmo Road, Binjiang District, Hangzhou 310051,
China
Tel: +86-571-8807-5998
FAX: +86-571-8993-5635
Email: overseabusiness@hikvision.com

Supported Product List (DeepinView Series)

Product Category	Model Number	Product Description
DeepinView	iDS-2CD7026G0-AP	2MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7046G0-AP	4MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7086G0-AP	8MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD70C5G0-AP	12MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7026G0/S-AP	2MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7026G0/E-IHSY(3.8-16mm)(11-40mm)	2MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7046G0/E-IHSY/F11(3.8-16mm) (11-40mm)	4MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7086G0/E-IHSY(3.8-16mm) (11-40mm)	8MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD70C5G0/E-IHSY(3.8-16mm) (11-40mm)	12MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD71C5G0-IZS(2.8-12mm)(8-32mm)	12MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7186G0-IZS(2.8-12mm)(8-32mm)	8MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7146G0-IZS(2.8-12mm)(8-32mm)	4MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7126G0-IZS(2.8-12mm)(8-32mm)	2MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7146G0/S-IZS(2.8-12mm)(8-32mm)	4MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7186G0/S-IZS(2.8-12mm)(8-32mm)	8MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD75C5G0-IZHS(Y)(8-32mm)(2.8-12mm)	12MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7586G0-IZHS(Y)(8-32mm)(2.8-12mm)	8MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7546G0-IZHS(Y)(8-32mm)(2.8-12mm)	4MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7526G0-IZHS(Y)(8-32mm)(2.8-12mm)	2MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7586G0/S-IZHSY(8-32mm)(2.8-12mm)	8MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7546G0/S-IZHSY(8-32mm)(2.8-12mm)	4MP,IR,WDR,H265+,DarkFighter

DeepinView	iDS-2CD7A46G0-IZHS(Y)(2.8-12mm)(8-32mm)	4MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7A26G0-IZHS(Y)(2.8-12mm)(8-32mm)	2MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7A86G0-IZHS(Y)(2.8-12mm)(8-32mm)	8MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7AC5G0-IZHS(Y)(2.8-12mm)(8-32mm)	12MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7A46G0/S-IZHSY(2.8-12mm)(8-32mm)	4MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7A86G0/S-IZHSY(2.8-12mm)(8-32mm)	8MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7026G0/P-AP	2MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7046G0/P-AP	4MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7026G0/EP-IHSY(3.8-16mm)(11-40mm)	2MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7046G0/EP-IHSY(/F11)(3.8-16mm)(11-40mm)	4MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7A26G0/P-IZHS(Y)(2.8-12mm)(8-32mm)	2MP,IR,WDR,H265+,DarkFighter
DeepinView	iDS-2CD7A46G0/P-IZHS(Y)(2.8-12mm)(8-32mm)	4MP,IR,WDR,H265+,DarkFighter