

Network Camera Firmware (The RAPTOR platform) Revision: V5.0.0 build 130412 Release note (2013-05-03)

Firmware Basic Information	Firmware Revision:	V5.0.0 build130412
	Encoding Revision:	V4.0 build130411
	SDK Revision:	V4.2.1.11 build130226
	HCNetSDK.dll	V4.2.1.11
	PlayCtrl.dll	V6.4.1.1
	SystemTransform.dll	V2.2.0.5
	StreamTransClient.dll	V1.1.1.13
	Play library version	V6.4.1.1
	Client version	iVMS-4200 PCNVR 1.02.00.08

Hikvision Firmware V5.0.0 build 130412 Features

1. New Features

- **Support three new date types:**
(month/day/year), (year/month/day), (day/month/year).
- **Support DDNS for No-IP;**
- **Support anonymous login;**
- **Support UPnP;**
- **Support IP filtering (totally 48 IP addresses can be managed.)**
- **Support one way alarm I/O, audio, local output and auto Iris functions for SD card featured models;**
- **Support volume control.**

(DSP functionalities)

- **Support the OSD font setting (ActiveX required);**

16*16, 32*32, 64*64, self-adaption

- **Support motion areas highlighted by frame in live view mode.**

(Core and relative drive)

- **Support AK4954 audio codec drive;**
- **Support amba emac and phy hardware fluid control.**

(Front-end parameter and ISP)

- **Support SMART IR (only for IR featured models);**
- **Support more AWB settings:**

manual WB(R, B gain adjust), AWB1, locking BW, filament lamp(3000K), warm light lamp(4000K),

nature light lamp(5500K), daylight lamp(6500K).

- **Support D/N switch timing mode (ICR start and stop timeline can be configurable);**
- **Support D/N switch alarm input triggering mode (only for alarm featured models).**

(Standard protocol and ActiveX)

- **Support HTTP PUSH MJPEG encoding for sub-stream (only Firefox supported);**

Stream URL: http://ip/Streaming/channels/ID/httpPreview

- **Support SDK Input in ActiveX;**
- **Support ActiveX anonymous login;**
- **Support 13 languages including Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Portuguese, Spanish, Russian, Dutch.**

2. Improved Features

(Application)

- **Changed RTSP authentication as default setting;**
- **Changed the audio input default value as Line in;**

- **Optimized the smoothness of live view.**

(Front end parameter and ISP)

- **Solved the bright spot issue.**

(DSP relative function)

- **Optimized the OSD characters overlay in proportion;**
- **Modified QP parameters.**

3. Compatibility Update

- **NVR access version:**

9016-ST: V2.3.1 build 130307 ;

7604-SE: V2.2.3 build121212 ;

- **NUUO:**

1. Version: 4.0.4, drive version: 2.9 ;

2. Protocol: HIKCGI

- **Milestone**

1. Version: Enterprise 8.1a, client 7.0b, drive version: DeviceInstaller_6.5.exe ;

2. Protocol: ONVIF

- **Excaqvision**

1. Version: 5.2

2. Protocol: HIKCGI, ONVIF

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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Supported Product List

Product Category	Model Number
1.3MP Mini IR Bullet	DS-2CD2012-I
1.3MP Fix Dome	DS-2CD2112-I
1.3MP EXIR Bullet	DS-2CD2212-I5
1.3MP EXIR Turret	DS-2CD2312-I
3MP Mini IR Bullet	DS-2CD2032-I
3MP Fix Dome	DS-2CD2132-I
3MP EXIR Bullet	DS-2CD2232-I5
3MP EXIR Turret	DS-2CD2332-I
1.3MP VF IR Dome	DS-2CD2712F-I
3MP VF IR Dome	DS-2CD2732F-I
1.3MP VF IR Bullet	DS-2CD2612F-I
3MP VF IR Bullet	DS-2CD2632F-I