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Network Camera Firmware
Version: V5.4.5
Release Note(External)
(2017-02-28)

Firmware Basic Information	Firmware Version:	V5.4.5
	SDK Version:	V7.3.2.74
	Play Library (PlayCtrl.dll)	V7.3.2.63
	Encapsulation Library (SystemTransform.dll)	V2.5.1.13
	RTSP Communication Library (StreamTransClient.dll)	V1.1.3.6
	Voice intercom library (AudioIntercom.dll)	V1.3.0.7
	iVMS-4200	Version 4200 V2.5.5.103 build20170119
	IE Client version	V3.0.6.1 build170118

Hikvision Firmware V5.4.5 Features

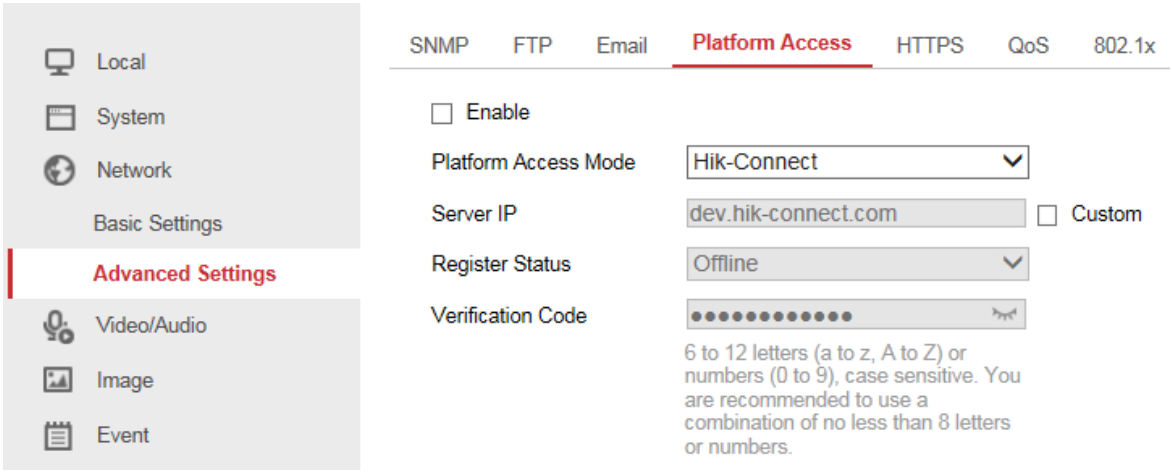
**for 4XX2F (WD), 4X24F, 4X24FWD, XX26FWD, iDS IPC Network Cameras, 4XX5, 40X5(B) Network Cameras*

1. New Features

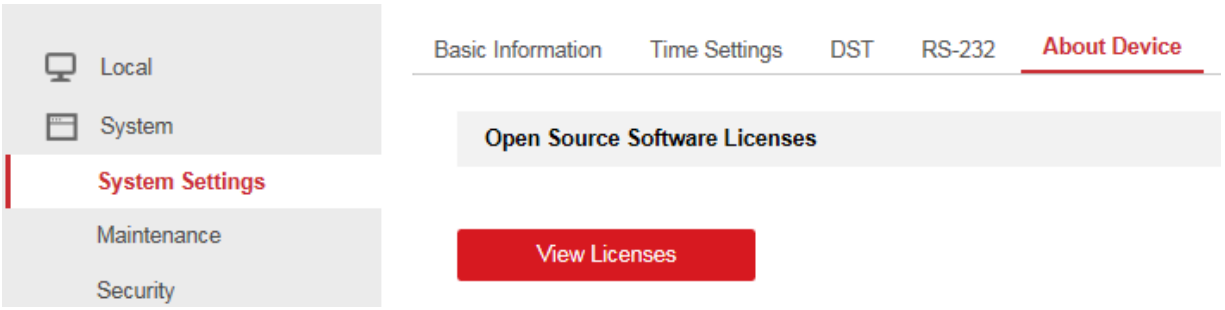
- HiDDNS and IPServer are no longer supported
- Add Hik-Connect function, support Hik-Connect Domain Name and alarm push service.
- LBS address for Hik-Connect function is dev.hik-connect.com.
- Hik-Connect function is disabled as default.
- Verification code is removed from device label and verification code information is

removed from QR code.

- During device activation or enabling Hik-Connect function for the first time, verification code should be created or changed by customers. (Rules: 6 to 12 letters (a to z, A to Z) or numbers (0 to 9), Case Sensitive.)



- Add Open Source Software Licenses on web browser ->System->System Settings->About Device.



2. Improved Features

- Admin account user is able to enable/disable Hik-Connect service. Admin account user is able to view verification code for Hik-Connect service on web browser or iVMS-4200.

- Time zones of particular areas are updated: Istanbul is changed to GMT+3:00 and Novosibirsk is changed to GMT+7:00.

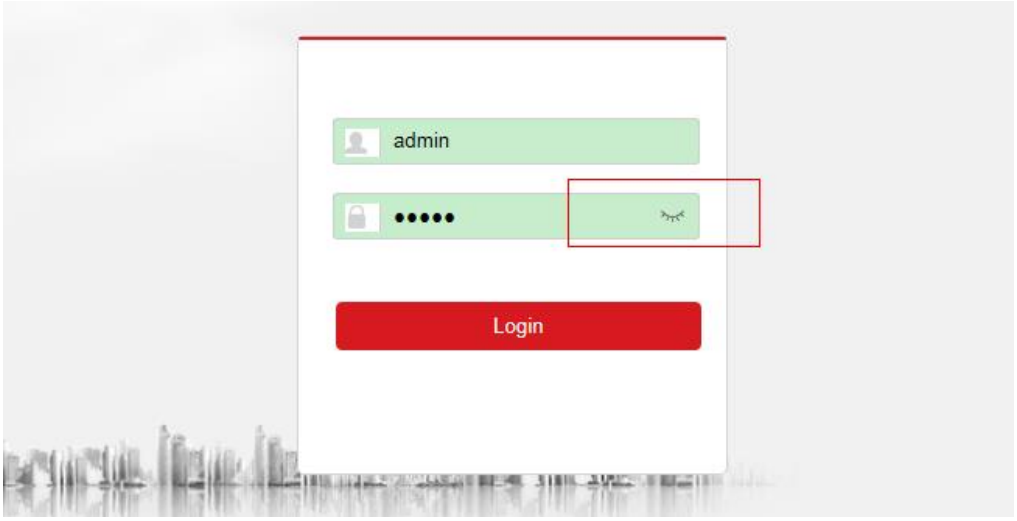
- In DST configuration of French web page, the typo of Tuesday and Thursday is

corrected.

- Intrusion detection and line crossing detection alarm types are available on Hik-Connect service.

Note: Intrusion detection and line crossing detection rules should be configured on web browser, iVMS client or NVR after enabling Alarm Notification on Hik-Connect APP.

- It supports to check the password when login in via Web.



**for 4XX2F (WD), 4X24F Network Cameras (R1 V5.4.5 build170228)*

Leftover Problem:

- A reboot of Hik-Connect APP is required when camera's verification code is changed.
- When upgrading the device with mismatched firmware, it will pop up the tip of "Upgrade Failed" instead of "Mismatched Firmware".

**for dual-lens DS-2CD6412-11/21/31 Network Cameras (R1 V5.4.5 build170216)*

New Features

- HiDDNS and IPServer are no longer supported.

Leftover Problem:

- When importing the configuration file to the camera, it is failed to modify the arming schedule for channel 2.
- For DS-2CD6412FWD-31, it is failed to show image and popup the tip of "Do you want to reboot the unit" after switching the video standard if it is only accessed the lens of channel 1.

**for 4X24FWD, XX26FWD, iDS IPC Network Cameras (R3 V5.4.5 build170228)*

Leftover Problem:

- A reboot of Hik-Connect APP is required when camera's verification code is changed.

**for 4XX5 Network Cameras (R4 V5.4.5 build170302)*

**for 40X5(B)Network Cameras (H0 V5.4.5 build170302)*

New Features

- It cannot adapt 1000M in AUTO mode for NIC Type. 1000M can be set up manually.

Improved Features

- Improve the brightness effect of the models that support true WDR.

Compatibility Update

- ONVIF version: V2.4, official test tool version: V1601;
- NUUO:

  1. Version: V6.9.0, drive version: V5.2;
  2. Protocol: HIKCGI

- Milestone:

1. Milestone Enterprise 8.1a(10.1a), Milestone Corporate 10.2a
2. Milestone drive version : Device Pack 8.8

- **Avigilon:**

1. Control Center: V5.10.4.6;
2. Test ONVIF.

- **Excaqvision:**

1. Version: 7.2.3
2. Protocol: HIKCGI, ONVIF

- **Genetec Omnicast:**

Version: 4.8 SR8

- **Security Center:**

Version: 5.5 SR3

- **Network Keyboard:**

DS-1100K V2.4.0 build150827

- **Series port keyboard:**

DS-1004K V1.2.0

- **Tested NVR/DVR accessing:**

1. E series: DS-96128N-E16 (V3.0.4_150616) (This series NVRs has been discontinued and the future version will not test)
2. F series: DS-96128N-F16 (V3.2.6 160411)
3. E series: DS-7732N-E4/16P (V3.4.91)
4. G series: DS-7608N-G2/4P (V3.4.1 build 151225)
5. K1 series: DS-7816N-K1 (V3.4.90)
6. I8 series: DS-8664N-I8 (DS-7632N-I2/16P)
7. K series: V3.4.91
8. DS-7608N-SHT (V3.0.17_150804)
9. Netra DVR: DS-9016HF-ST (V3.4.3)
10. DS-7616N-SE (V3.0.15_150528)
11. F series: DS-9664N-F8/I (V3.3.4_150715)
12. Channel NVR: DS-7832N-K2 (V3.3.9_151228)
13. 96000N-I series: V3.6.0

Customer Impact and Recommended Action

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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 defects or 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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Supported Product List R1(4XX2F (WD), 4X24F, *6412FWD-11/21/31*)		
Product Category	**Model Number**	**Product Description**
Box camera	DS-2CD4012FWD-(A)(P)(W)	1.3MP, WDR
Box camera	DS-2CD4012FWD-SDI	1.3MP, WDR
Box camera	DS-2CD4012FWD-FC	1.3MP, WDR
Box camera	DS-2CD4012F-(A)(P)(W)	1.3MP

Box camera	DS-2CD4012F-SDI	1.3MP
Box camera	DS-2CD4012F-FC	1.3MP
Box camera	DS-2CD4024F-(A)(P)(W)	2MP
Box camera	DS-2CD4024F-(A)SDI	2MP
Box camera	DS-2CD4024F-(A)FC	2MP
Box camera	DS-2CD4024F-A/NFC	2MP
Box camera	DS-2CD4032F-(A)(P)(W)	3MP
Box camera	DS-2CD4032F-SDI	3MP
Box camera	DS-2CD4032F-FC	3MP
Box camera	DS-2CD4032F-A/NFC	3MP
Dome Camera	DS-2CD4112FWD-(I)(Z)	1.3MP, WDR
Dome Camera	DS-2CD4112F-(I)(Z)	1.3MP
Dome Camera	DS-2CD4124F-(I)(Z)	1.3MP
Dome Camera	DS-2CD4132F-(I)(Z)	3MP
Bullet Camera	DS-2CD4212FWD-(I)(Z)(H)(S)	1.3MP, WDR
Bullet Camera	DS-2CD4212F-(I)(Z)(H)(S)	1.3MP
Bullet Camera	DS-2CD4224F-(I)(Z)(H)(S)	2MP
Bullet Camera	DS-2CD4232FWD-(I)(Z)(H)(S)	3MP, WDR
Dome Camera	DS-2CD4312FWD-(I)(Z)(H)(S)(PTZ)	1.3MP, WDR
Dome Camera	DS-2CD4312F-(I)(Z)(H)(S)(PTZ)	1.3MP
Dome Camera	DS-2CD4324F-(I)(Z)(H)(S)(PTZ)	2MP
Dome Camera	DS-2CD4332FWD-(I)(Z)(H)(S)(PTZ)	3MP, WDR
ATM Dual-lens camera	DS-2CD6412FWD-C2	1.3MP, WDR
ATM Dual-lens camera	DS-2CD6412FWD-11	1.3MP, WDR
ATM Dual-lens camera	DS-2CD6412FWD-21	1.3MP, WDR
ATM Dual-lens camera	DS-2CD6412FWD-31	1.3MP, WDR

Supported Product List R3(4X24FWD, XX26FWD)

Product Category	Model Number	Product Description
Box Camera	DS-2CD4024FWD-(A)(P)	2MP, WDR
Box Camera	DS-2CD4026FWD-(A)(P)	Darkfighter, WDR
Indoor Dome	DS-2CD4124FWD-IZ	2MP, WDR
Indoor Dome	DS-2CD4126FWD-IZ	Darkfighter, WDR
Outdoor Dome	DS-2CD4524FWD-I(Z)(H)(M)	2MP, WDR
Outdoor Dome	DS-2CD4526FWD-IZ(H)	Darkfighter, WDR
Outdoor Bullet	DS-2CD4624FWD-IZ(H)(S)	2MP, WDR
Outdoor Bullet	DS-2CD4626FWD-IZ(H)(S)	Darkfighter, WDR
Outdoor Bullet	DS-2CD4A24FWD-IZ(H)(S)	2MP, WDR

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Outdoor Bullet	DS-2CD4A26FWD-IZ(H)(S)	Darkfighter, WDR
Box Camera	DS-2CD6026FHWD-(A)(P)	2MP, 60fps, Darkfighter, ABF optional
Intelligent Camera	iDS-2CD6024FWD/(B/F)	2MP, Intelligent
Intelligent Camera	iDS-2CD6124FWD-IZ/(H/C/B/F)	2MP, Intelligent
Outdoor Bullet	DS-2CD6226FWD-IZ(H)(S)	Darkfighter, 2MP
Intelligent Camera	iDS-2CD6412FWD/C	People Counting
Anti-Corrosion Bullet	DS-2CD6626B/E-HIRA(11-40mm)	2MP
Anti-Corrosion Bullet	DS-2CD6626B/E-HIR5(3.8-16mm)	2MP
Anti-Corrosion Bullet	DS-2CD6626BS-(H)R	2MP
Anti-Corrosion Dome	DS-2CD6626DS-IZ(H) (2.8-12mm)	2MP

Supported Product List R4(4XX5)

Product Category	Model Number	Product Description
Box Camera	DS-2CD4025FWD-(A)(P)	Lightfighter, 2MP, WDR
Box Camera	DS-2CD4035F(WD)-(A)(P)	3MP, WDR
Box Camera	DS-2CD4065F-(A)(P)	6MP
Box Camera	DS-2CD4085F-(A)(P)	8MP
Dome Camera	DS-2CD4125FWD-IZ	Lightfighter, 2MP
Dome Camera	DS-2CD4135F(WD)-IZ	3MP, WDR
Dome Camera	DS-2CD4165F-IZ	6MP, IR
Dome Camera	DS-2CD41C85F-IZ	8MP, IR
Dome Camera	DS-2CD41C5F-IZ	12MP, IR
Dome Camera	DS-2CD4525FWD-IZ(H)	Lightfighter, 2MP, WDR
Dome Camera	DS-2CD4535F(WD)-IZ(H)(S)	3MP, IR
Dome Camera	DS-2CD4565F-IZ(H)	6MP, IR
Dome Camera	DS-2CD4585F-IZ(H)	8MP, IR
Outdoor Bullet	DS-2CD4625FWD-IZ(H)(S)	Lightfighter, 2MP, WDR
Outdoor Bullet	DS-2CD4635F(WD)-IZ(H)(S)	3MP, IR
Outdoor Bullet	DS-2CD4665F-IZ(H)(S)	6MP, IR
Outdoor Bullet	DS-2CD4685F-IZ(H)(S)	8MP, IR

Outdoor Bullet	DS-2CD46C5F-IZ(H)(S)	12MP, IR
Outdoor Bullet	DS-2CD4A25FWD-IZ(H)(S)	Lightfighter, 2MP, WDR
Outdoor Bullet	DS-2CD4A35F(WD)-IZ(H)(S)	3MP, IR
Outdoor Bullet	DS-2CD4A65F-IZ(H)(S)	6MP, IR
Outdoor Bullet	DS-2CD4A85F-IZ(H)(S)	8MP, IR
Outdoor Bullet	DS-2CD4AC5F-IZ(H)(S)	12MP, IR

Supported Product List H0(40X5(B))

Product Category	Model Number	Product Description
Box Camera	DS-2CD4025FWD-(A)(P) (B)	Lightfighter, 2MP, WDR
Box Camera	DS-2CD4035F(WD)-(A)(P) (B)	3MP, WDR
Box Camera	DS-2CD4065F-(A)(P) (B)	6MP
Box Camera	DS-2CD4085F-(A)(P) (B)	8MP