

## Network Camera Firmware

### Revision: V5.3.0 build150327

### Release Note

### (2015-04-01)

<b>Firmware Basic Information</b>	Firmware Revision:	V5.3.0 build150327
	SDK Revision:	V5.0.3.20 build20150318
	Play Library (PlayCtrl.dll)	V7.2.1.54
	Encapsulation Library (SystemTransform.dll)	V2.4.0.8
	RTSP Communication Library (StreamTransClient.dll)	V1.1.2.18
	Voice intercom library (AudioIntercom.dll)	V1.1.0.8
	Smart configuration library	V3.2.6.4
	iVMS-4200	Version 4200 V2.02.07.01 build20150324
	IE Client version	V3.0.5.38 build150324

## Hikvision Firmware V5.3.0 build 150327 Features

*\*for all IPC platforms*

### 1. New Features

- Support 29 languages in web browser: Traditional Chinese, English, Russian, Turkish, Japanese, Korean, Thai, Vietnamese, Estonian, Bulgarian, Hungarian, Czech, Slovak, French, Italian, German, Spanish, Portuguese, Polish, Greek, Dutch, Romanian, Finnish, Norwegian, Danish, Swedish, Croatian, Serbian, Slovenian;
- "iDS" models support multiple intelligent functions: Intrusion detection, Line Crossing Detection, Region entrance detection, Region exit detection;
- 4 series support 6 behavior detections: Intrusion detection, Line crossing detection, Object removal detection, Unattended baggage detection, Region entrance detection, Region exiting detection.

## 2. Improved Features

- People counting is changed to object counting with auto calibration, which cannot be used together with the other 6 behavior detections;
- In FTP configuration, letter-formed ftp address is supportable;
- Support 128GB micro SD/SDHC/SDXC;
- Support MP2L2 form of audio encoding;
- Default IP: 192.168.1.64, default gateway: 192.168.1.1

## 3. Security Mechanism Improvement

- Creating password is required for activation before using the camera (web browser, client software and SADP software can be used for password creation);
- Newly released SADP software supports batch activating;
- V5.3.0 products cannot be downgraded to lower version models;
- Add password strength prompt (Weak, Medium, Strong) in web browser, client software and SADP software. Risk password is not allowed;
- Telnet access is forbidden;
- Lock the remote IP address for 30 minutes once login camera several times with wrong username or password;
- Web authentication is self-adaptive;
- Add "Enable HTTPS" button in web browser, and HTTPS access is OFF as default.

### *\*for 2XX2 Network Cameras*

- All models can be registered in Ezviz cloud.

### *\*for 2XX0 Network Cameras*

- Support echo cancellation by algorithm;
- All models can be registered in Ezviz cloud;
- Delete "help" document in web browser;
- Only English, Russian and Portuguese languages are supportable in web browser.

## ***\*for 4XX5 Network Cameras***

- **Support object counting;**
- **4015FWD supports 720p@100fps and 720p@120fps.**
- **4X25FWD supports 140dB WDR;**
- **8 lines of OSD configuration.**

## **Compatibility Update**

- **HIKCGI version: V2.0;**
- **ISAPI version: V2.4;**
- **PSIA version: V1.1, official test version: V2.0.2;**
- **ONVIF version: V2.4, official test tool version: V14.06;**
- **NUUO:**
  1. Version: V5.1, drive version: V3.10.0 ;
  2. Protocol: HIKCGI
- **Milestone:**
  1. Milestone Enterprise 8.1a(8.6c), Milestone drive version (Driver 7.7), test HIKCGI
  2. Milestone software version (Milestone Corporate 7.0c), Milestone drive version (Driver 7.7), test HIKCGI
- **Avigilon:**
  1. Control Center: V5.4.2.10;
  2. Test ONVIF.
- **Excagvision:**
  1. Version: 6.6.2
  2. Protocol: HIKCGI, ONVIF
- **NAS(Only test for Brainaire):**

DS-A2016R, DS-A1016RS V2.2.0-7

## 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 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 (2XX2)

Product Category	Model Number	Product Description
Mini IR Bullet	DS-2CD2012-I	1.3MP, IR
Mini IR Bullet	DS-2CD2022-I	2MP, IR
Mini IR Bullet	DS-2CD2032-I	3MP, IR
Mini IR Bullet	DS-2CD2012F-I(W)	1.3MP, IR, Wi-Fi
Mini IR Bullet	DS-2CD2022F-I(W)	2MP, IR, Wi-Fi
Mini IR Bullet	DS-2CD2032F-I(W)	3MP, IR, Wi-Fi
IR Fixed Dome	DS-2CD2112F-I(S)(W)	1.3MP, IR
IR Fixed Dome	DS-2CD2122F-I(S)(W)	2MP, IR
IR Fixed Dome	DS-2CD2132F-I(S)(W)	3MP, IR
EXIR Turret	DS-2CD2312-I	1.3MP, up to 30m IR
EXIR Turret	DS-2CD2332-I	3MP, up to 30m IR
IR Cube	DS-2CD2412F-I(W)	1.3MP, IR, Wi-Fi optional
IR Cube	DS-2CD2432F-I(W)	3MP, IR, Wi-Fi optional
IR Mini Dome	DS-2CD2512F-I(S)	1.3MP, IR, Audio/Alarm optional
IR Mini Dome	DS-2CD2532F-I(S)	3MP, IR, Audio/Alarm optional
VF IR Bullet	DS-2CD2612F-I(S)	1.3MP, VF lens, IR, Audio/Alarm optional
VF IR Bullet	DS-2CD2622F-I(S)	2MP, VF lens, IR, Audio/Alarm optional
VF IR Bullet	DS-2CD2632F-I(S)	3MP, VF lens, IR, Audio/Alarm optional
VF IR Dome	DS-2CD2712F-I(S)	1.3MP, VF lens, IR, Audio/Alarm optional
VF IR Dome	DS-2CD2722F-I(S)	2MP, VF lens, IR, Audio/Alarm optional
VF IR Dome	DS-2CD2732F-I(S)	3MP, VF lens, IR, Audio/Alarm optional
EXIR Bullet	DS-2CD2T12-I3/I5/I8	1.3MP
EXIR Bullet	DS-2CD2T22-I3/I5/I8	2MP
EXIR Bullet	DS-2CD2T32-I3/I5/I8	3MP

<b>Supported Product List (2XX0)</b>		
<b>Product Category</b>	<b>Model Number</b>	<b>Product Description</b>
Mini IR Bullet	DS-2CD2010-I	1.3MP, IR
Mini IR Bullet	DS-2CD2010F-I(W)	1.3MP, IR, Wi-Fi
Mini IR Bullet	DS-2CD2020-I	2MP, IR
Mini IR Bullet	DS-2CD2020F-I(W)	2MP, IR, Wi-Fi
IR Fixed Dome	DS-2CD2110F-I(W)(S)	1.3MP, IR
IR Fixed Dome	DS-2CD2120F-I(W)(S)	2MP, IR
IR Cube	DS-2CD2410F-I(W)	1MP, IR, Wi-Fi optional
IR Cube	DS-2CD2420F-I(W)	2MP, IR, Wi-Fi optional
Mini Dome	DS-2CD2510F	1.3MP
Mini Dome	DS-2CD2520F	2MP
VF IR Bullet	DS-2CD2610F-I(S)	1.3MP, VF lens, IR, Audio/Alarm optional
VF IR Bullet	DS-2CD2620F-I(S)	2MP, VF lens, IR, Audio/Alarm optional
VF IR Dome	DS-2CD2710F-I(S)	1.3MP, VF lens, IR, Audio/Alarm optional
VF IR Dome	DS-2CD2720F-I(S)	2MP, VF lens, IR, Audio/Alarm optional
Box Camera	DS-2CD2810F	1.3MP, box camera
Box Camera	DS-2CD2820F	2MP, box camera
EXIR Bullet	DS-2CD2T10-I3/I5/I8	1.3MP, EXIR Bullet
EXIR Bullet	DS-2CD2T20-I3/I5/I8	2MP, EXIR Bullet
IR Mini PT	DS-2CD2Q10FD-IW	1MP, Wi-Fi
Pinhole	DS-2CD2D14WD	1MP
Alarm Cube	DS-2CD2C10F-IW	1MP, Wi-Fi
IR Dome	DS-2CD6510-I(O)	1.3MP, IR, Audio/Alarm optional

## Supported Product List (4XX2, 4XX4)

Product Category	Model Number	Product Description
Box Camera	DS-2CD4012F-(A)(P)	1.3MP, 60fps, ABF optional, Wi-Fi optional
Box Camera	DS-2CD4012FWD-(A)(P)	1.3MP, WDR, ABF optional, Wi-Fi optional
Box Camera	DS-2CD4024F-(A)(P)	2MP, ABF optional, Wi-Fi optional
Box Camera	DS-2CD4032FWD-(A)(P)	3MP, WDR, ABF optional, Wi-Fi optional
IR Indoor Dome	DS-2CD4112F-I(Z)	1.3MP, 60fps, Motorized VF lens optional
IR Indoor Dome	DS-2CD4112FWD-I(Z)	1.3MP, WDR, Motorized VF lens optional
IR Indoor Dome	DS-2CD4124F-I(Z)	1.3MP, Motorized VF lens optional
IR Indoor Dome	DS-2CD4132FWD-I(Z)	1.3MP, WDR, Motorized VF lens optional
IR Bullet	DS-2CD4212F-I(Z)(S)(H)	1.3MP, Motorized VF lens optional, Heater optional
IR Bullet	DS-2CD4212FWD-I(Z)(S)(H)	1.3MP, WDR, Motorized VF lens optional, Heater optional
IR Bullet	DS-2CD4224F-I(Z)(S)(H)	2MP, Motorized VF lens optional, Heater optional
IR Bullet	DS-2CD4232FWD-I(Z)(S)(H)	3MP, WDR, Motorized VF lens optional, Heater optional
IR Outdoor Dome	DS-2CD4312F-I(Z)(S)(H)	1.3MP, Motorized VF lens optional, Heater optional
IR Outdoor Dome	DS-2CD4312FWD-I(Z)(S)(H)	1.3MP, WDR, Motorized VF lens optional, Heater optional
PTZ Outdoor Dome	DS-2CD4312F-PTZ	1.3MP, PTZ outdoor dome
IR Outdoor Dome	DS-2CD4324F-I(Z)(S)(H)	2MP, Motorized VF lens optional, Heater optional
PTZ Outdoor Dome	DS-2CD4324F-PTZ	2MP, PTZ outdoor dome
IR Outdoor Dome	DS-2CD4332FWD-I(Z)(S)(H)	3MP, WDR, Motorized VF lens optional, Heater optional
PTZ Outdoor Dome	DS-2CD4332FWD-PTZ	3MP, PTZ outdoor dome
Covert Camera	DS-2CD6412FWD	1.3MP, WDR

## Supported Product List (XX26, XX24FWD)

Product Category	Model Number	Product Description
Box Camera	DS-2CD4026FWD-(A)(P)	Darkfighter, 120dB
Indoor Dome	DS-2CD4126FWD-IZ	Darkfighter, 120dB
Outdoor Dome	DS-2CD4526FWD-IZ(H)	Darkfighter, 120dB
Outdoor Bullet	DS-2CD4626FWD-IZ(H)	Darkfighter, 120dB
Outdoor Bullet	DS-2CD4A26FWD-IZ(H)(S)	Darkfighter, 120dB
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

## Supported Product List (4XX5)

Product Category	Model Number	Product Description
Box Camera	DS-2CD4025FWD-(A)(P)	Lightfighter, 2MP, WDR
Box Camera	DS-2CD4035F-(A)(P)	3MP
Box Camera	DS-2CD4035FWD-(A)(P)	3MP, WDR
Box Camera	DS-2CD4065F-(A)(P)	6MP
Box Camera	DS-2CD4085F-(A)(P)	8MP
Box Camera	DS-2CD40C5F-(A)(P)	12MP
Indoor Dome	DS-2CD4125FWD-IZ	Lightfighter, 2MP, WDR
Indoor Dome	DS-2CD4135F-IZ	3MP
Indoor Dome	DS-2CD4135FWD-IZ	3MP, WDR
Indoor Dome	DS-2CD4165F-IZ	6MP
Indoor Dome	DS-2CD4185F-IZ	8MP
Indoor Dome	DS-2CD41C5F-IZ	12MP
Outdoor Dome	DS-2CD4525FWD-IZ(H)	Lightfighter, 2MP, WDR
Outdoor Dome	DS-2CD4535F-IZ(H)	3MP



Outdoor Dome	DS-2CD4535FWD-IZ(H)	3MP, WDR
Outdoor Dome	DS-2CD4565F-IZ(H)	6MP
Outdoor Dome	DS-2CD4585F-IZ(H)	8MP
Outdoor Dome	DS-2CD45C5F-IZ(H)	12MP
Outdoor Bullet	DS-2CD4625FWD-IZ(H)(S)	Lightfighter, 2MP, WDR
Outdoor Bullet	DS-2CD4635F-IZ(H)(S)	3MP
Outdoor Bullet	DS-2CD4635FWD-IZ(H)(S)	3MP, WDR
Outdoor Bullet	DS-2CD4665F-IZ(H)(S)	6MP
Outdoor Bullet	DS-2CD4685F-IZ(H)(S)	8MP
Outdoor Bullet	DS-2CD46C5F-IZ(H)(S)	12MP
IR Bullet	DS-2CD4A25FWD-IZ(S)	Lightfighter, 2MP, WDR
IR Bullet	DS-2CD4A35F-IZ(S)	3MP
IR Bullet	DS-2CD4A35FWD-IZ(S)	3MP, WDR
IR Bullet	DS-2CD4A65F-IZ(S)	6MP
IR Bullet	DS-2CD4A85F-IZ(S)	8MP
IR Bullet	DS-2CD4AC5F-IZ(S)	12MP