

## Network Camera Firmware

### Revision: V5.3.4 build150812

### Release Note

### (2015-09-08)

<b>Firmware</b> <b>Basic Information</b>	Firmware Revision:	V5.3.4 build150812
	SDK Revision:	V5.1.3.10 build20150720
	Play Library (PlayCtrl.dll)	V7.2.2.61
	Encapsulation Library (SystemTransform.dll)	V2.5.0.7
	RTSP Communication Library (StreamTransClient.dll)	V1.1.2.18
	Voice intercom library (AudioIntercom.dll)	V1.2.0.1
	Smart configuration library	V3.2.1.4
	iVMS-4200	Version 4200 V2.02.09.01 build20150724
	IE Client version	V3.1.3 build150422

## Hikvision Firmware V5.3.4 build 150812 Features

*\*for all IPC platforms*

### 1. New Features

- Support H.264+ algorithm: an optimized H.264 algorithm developed by Hikvision, enables remarkable reduction of bandwidth. With H.264+ algorithm, users are able to set the maximum bandwidth and predict required storage space.
- New Exposure Time available: 1/75s, 1/125s, 1/175s, 1/225s, 1/300s and 1/400s.
- Support Web 4.0 GUI: unified with NVR GUI, more user friendly and convenient.
- 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

- Box camera models support P-Iris lenses HV1140P-8MPIR and TV2712P-MPIR
- Default P-Iris mode of 4XXX-P P-Iris models is set as Auto, avoiding black screen caused by mismatch of Iris mode and lens.
- Unattended luggage detection and object removal detection are optimized: the available time threshold is improved to 3600s.

## *\*for 4XX2/4XX4 Network Cameras*

- Notice: H.264+ algorithm is not supported simultaneously with third stream, 1920x1080p 50/60fps high frame rate, ROI, target cropping, smoothing, profile, SVC and I frame interval setting.

## *\*for XX26/XX24FWD Network Cameras*

- Newly added models: DS-2CD4826FWD-IZHS(8-96mm)
- Notice: H.264+ algorithm is not supported simultaneously with third stream, 1920x1080p 50/60fps high frame rate, ROI, target cropping, smoothing, profile, SVC and I frame interval setting.

## *\*for 4XX5 Network Cameras*

- Newly added models: DS-2CD4035FWD/E-(H)(IR5/IRA), DS-2CD4065F/E-(H)(IR5/IRA), DS-2CD4085F/E-(H)(IR5)(IRA)
- Notice: H.264+ algorithm is not supported simultaneously with third stream, 1920x1080p 50/60fps high frame rate, WDR, BLC, ROI, target cropping, smoothing, profile, SVC, counting, LPR, I frame interval setting, 4000x3000 resolution, 3840x2160 resolution.

## 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: V14.012;**
- **NUUO:**
  1. Version: V5.0.2, drive version: V4.1 ;
  2. Protocol: HIKCGI
- **Milestone:**
  1. Milestone Enterprise 8.1a(8.6c), Milestone drive version (Driver 7.9)
  2. Milestone software version (Milestone Corporate 7.0d), Milestone drive version (Driver 7.9)
  3. Protocol: HIKCGI, ONVIF
- **Avigilon:**
  1. Control Center: V5.4.2.18;
  2. Protocol: ONVIF.
- **Excaqvision:**
  1. Version: 6.8.6
  2. Protocol: HIKCGI, ONVIF
- **NAS(Only test for Brainaire):**

DS-A2016R

## 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.

## 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-2CD4024FWD-(A)(P)	2MP, WDR, ABF optional,
Box Camera	DS-2CD4026FWD-(A)(P)	Darkfighter, 120dB
Indoor Dome	DS-2CD4124FWD-(I)(Z)	2MP, IR optional, Motorized VF lens optional
Indoor Dome	DS-2CD4126FWD-IZ	Darkfighter, 120dB
IR Bullet	DS-2CD4224FWD-I(Z)(S)	2MP, WDR, Motorized VF lens optional
Outdoor Dome	DS-2CD4324FWD- I(Z)(H)(S)	2MP, heater optional, Motorized VF lens optional
Outdoor Dome	DS-2CD4524FWD-(I)(Z)(H)(M)	2MP, WDR, heater optional, Motorized VF lens optional
Outdoor Dome	DS-2CD4526FWD-IZ(H)	Darkfighter, 120dB
Outdoor Bullet	DS-2CD4612FWD-IZ(H)	2MP, heater optional
Outdoor Bullet	DS-2CD4624FWD-IZ(H)(S)	2MP, heater optional
Outdoor Bullet	DS-2CD4626FWD-IZ(H)	Darkfighter, 120dB
IR Bullet	<a href="#">DS-2CD4826FWD-IZ(H)(S)</a>	2MP, WDR, Motorized VF lens, heater optional
Outdoor Bullet	DS-2CD4A24FWD-IZ(H)(S)	2MP, WDR, Motorized VF lens, heater optional
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
Indoor Dome	DS-2CD6126FWD-(I)Z(H)	2MP, WDR, Motorized VF lens, IR optional, heater optional
Outdoor Bullet	DS-2CD6226FWD-IZ(H)(S)	Darkfighter, 2MP
Outdoor Bullet	iDS-2CD6226FWD-(I)Z(H)(S)/B	Behavior Analysis
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/E-(H)(IR5/IRA)	3MP, housing, heater optional, IR optional
Box Camera	DS-2CD4035FWD-(A)(P)	3MP, WDR
Box Camera	DS-2CD4065F-(A)(P)	6MP
Box Camera	DS-2CD4065F/E-(H)(IR5/IRA)	6MP, housing, heater optional, IR optional
Box Camera	DS-2CD4085F-(A)(P)	8MP
Box Camera	DS-2CD4085F/E-(H)(IR5/IRA)	8MP, housing, heater optional, IR optional
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