

Dual-lens People Counting Camera Firmware

Version: V5.4.6 build170512

Release Note

(2017-06-08 External)

Firmware Basic Information	Firmware Version:	V5.4.6 build170512
	SDK Version:	V5.2.7.30
	Play Library (PlayCtrl.dll)	V7.3.3.60
	Encapsulation Library (SystemTransform.dll)	V2.5.2.3
	RTSP Communication Library (StreamTransClient.dll)	V1.1.3.6
	IE Widget Version	V4.0.1 build170509
	Plugin Version	V3.0.6.22
	iVMS-4200	Version 4200 V2.5.10.3

Dual-lens People Counting Camera Firmware V5.4.6

build170512 Features

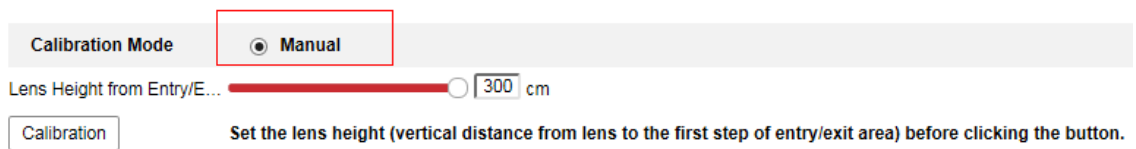
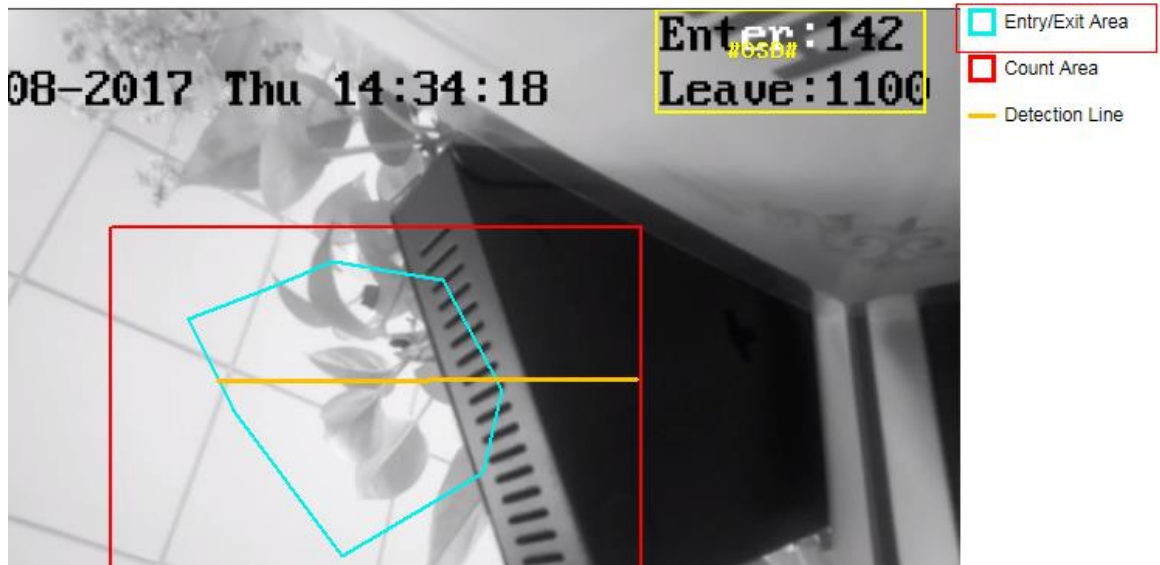
1. New Features

- **Newly added the mobile and outdoor people counting cameras that support IR.**
- **Only support English.**
- **Newly support HTTP data transmission. The device will transfer the data to the target server if configured the Destination IP or Host Name.**

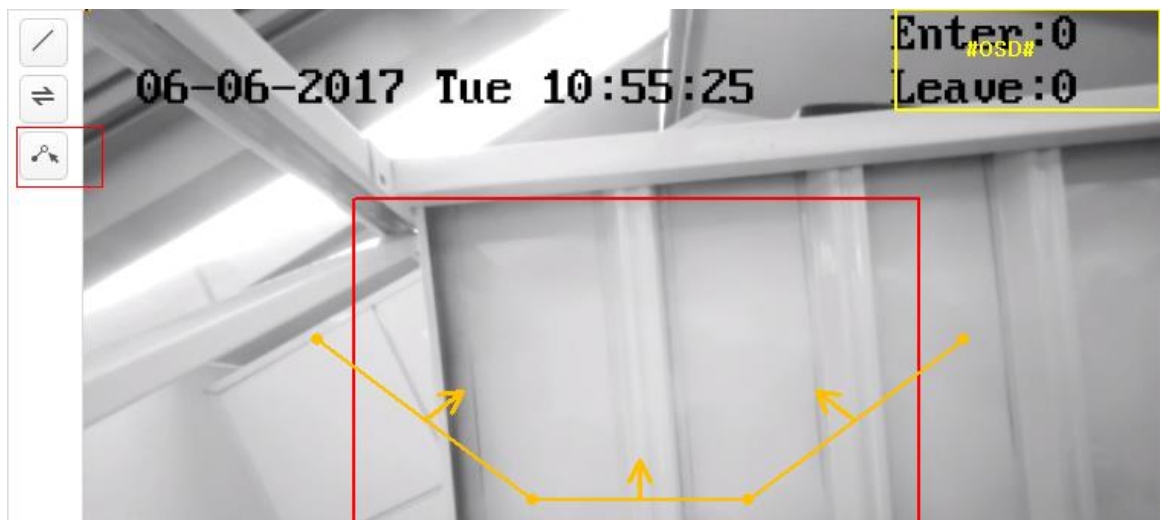
HTTP Data Transmission				Default
Destination IP or Host Name	URL	Port	Test	
10.18.135.102	/	80	Test	
0.0.0.0	/	80	Test	
0.0.0.0	/	80	Test	

- **For the mobile camera, it supports draw Entry/Exit area and only manual**

calibration is supported.



- Modify the lens height range:
 - 2mm lens: 2-5 meters
 - 4mm lens: 2-7 meters
 - 2.8mm lens: 2.5-5 meters
 - Mobile Camera: 2-3 meters
- Newly support to draw polygonal line, which solves the issue that the straight line cannot cover the scene completely.



- **Daily Reset Time is configurable and manual reset is supported.**

Daily Reset Time: 00:00:00 (selected), 01:00:00, 02:00:00, 03:00:00, 04:00:00, 05:00:00, 06:00:00, 07:00:00, 08:00:00, 09:00:00, 10:00:00, 11:00:00, 12:00:00, 13:00:00, 14:00:00, 15:00:00, 16:00:00

Clear Storage Data

Manual Reset

all counting data stored in the camera.

Save

- **Daily Reset Time is configurable and manual reset is supported.**
- **For the mobile people counting camera, it supports exporting Daily/Weekly/Monthly/Annual Report only for People Entering and People Leaving.**
- **For the mobile people counting camera, it will detect the Door Status, which needs to connect the signal of Opening/Closing door with alarm input of devices. It supports two Alarm Input Signal Types: Level Signal and Pulse Signal.**

Rule Data Uploading **Advanced**

Display Rule Info. on Stream

Display Height

Enable Height Filter

Height: 120 cm

Flow Overlay: Enter/Leave

Counting Status: Counting(2017-06-08 10:54:08) Refresh

Door Status: Open Refresh

Rule **Data Uploading** Advanced

Trigger Counting Mode

Alarm Input Signal Type

Enable RS-485 Data Tra... ON OFF

- **Support transferring the people counting data via RS485, SDK, HTTP protocol.**

Enable RS-485 Data Tra... ON OFF

2. Optimization

- **The data of Passing by won't contain the entering data.**
- **Support OSD overlay, includes Enter/Leave/Pass by.**

Enable Height Filter

Height

Flow Overlay

Counting Status

Enter
Leave
Enter/Leave
Enter and Pass by
None

cm

- **Email Report includes Daily Report/Weekly Report/Monthly Report/Annual Report is supported.**

Email Report

Data Type Daily Report Weekly Report Monthly Report Annual Report


- **Support ANR function via SDK.**
- **Support exporting internal parameters via Demo.**
- **Remove ROI function.**
- **Only 25/24fps is optional under PAL/NTSC.**
- **The OSD will display the intraday total number of Flash after rebooting the camera.**
- **Support Display Rule Info. on Stream and Hikvision play library can analyze it.**

Rule Data Uploading **Advanced**

Display Rule Info. on Stream

Display Height

Enable Height Filter

Height  120 cm

Flow Overlay ▾


- **Support Display Height and the maximum target number can be up to 8.**

Rule Data Uploading **Advanced**

Display Rule Info. on Stream

Display Height

Enable Height Filter

Height  120 cm

Flow Overlay ▾


- **Support display Counting Status includes Counting/Stop/Pause.**

Rule Data Uploading **Advanced**

Display Rule Info. on Stream

Display Height

Enable Height Filter

Height  120 cm

Flow Overlay ▾

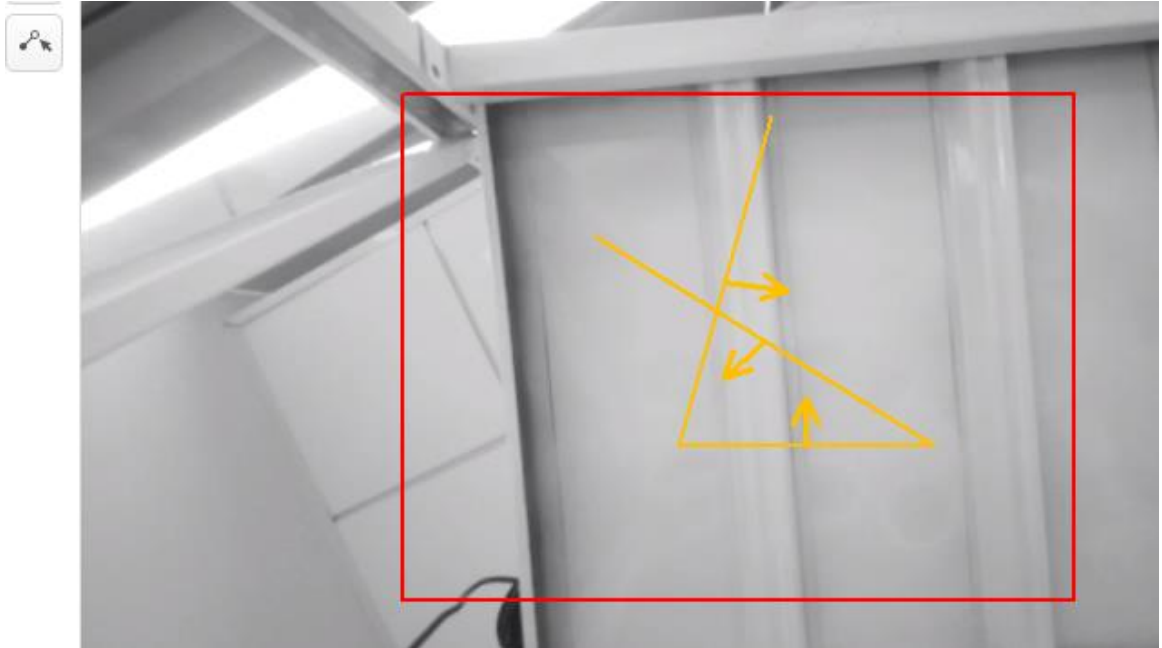
Counting Status

Daily Reset Time ▾

Clear Storage Data **Note: This action clears all counting data stored in the camera.**

Leftover Problems

- **The camera doesn't support SD card slot while has "F" in the model name.**
- **The data of OSD still will be obtained from Flash after rebooting.**
- **It won't count when drawing the crossed detection line though it can be saved successfully.**



- For the outdoor mobile models, it will miscount under the following situations:
 - 1) When there is a car passing by.
 - 2) Entering the detection area while folding an umbrella.
 - 3) The distance between bag and body is far.
- For the outdoor models, it will keep status of pause counting in the night because of the insufficient IR performance. It can be solved by adjusting the exposure time to 1/25.
- For the mobile people counting camera, People Passing By type should be removed.

People Counting Statistics

Search Conditions	Statistics Results
Report Type Daily Report	Statistics Time
Statistics Type <div style="border: 1px solid black; padding: 2px;"> People Entered People Exited People Passing By </div>	

- When enabling the text overlay and OSD flow overlay simultaneously, the text overlay won't be displayed.

- **When the height of target exceeds 2.2m, it won't be counted.**

Compatibility Update

- **SDK version:**

- 1) Play library (PlayCtrl.dll): PlayCtrl_V7.3.3.60
- 2) HCNetSDK.dll: V5.2.7.30
- 3) System Transfor.dll: V2.5.2.3
- 4) Stream TransClient.dll: V1.1.3.6

- **Plugin: V3.0.6.22**

- **IE Widget version: V4.0.1 build170509**

- **4200 client: V2.5.10.3**

- **NVR version accessing:**

- 1) Marvell F series: DS-96128N-F16 (V3.2.6_160411)
- 2) Marvell F/H series: DS-96256NI-I24/H (STD V3.2.8_170213_05), 96000 I series
- 3) Hisi3535 E series: DS-7732N-E4/16P (V3.4.92)
- 4) Hisi3535 G series: DS-7608N-G2/4P (V3.4.1 build151225)
- 5) Hisi3798 K1 series: DS-7816N-K1 (V3.4.93)
- 6) Hisi3536 I8 series: DS-8664N-I8 (DS-7632N-I2/16P, HISI3536 K series V3.4.92)
- 7) Hisi3250D/3521: DS-7608N-SHT (V3.0.17_150804)
- 8) Netra DVR: DS-9016HF-ST (V3.4.3)
- 9) 8107 platform: DS-7616N-SE (V3.0.15_150528)
- 10) Hisi F platform: DS-9664N-F8/I (V3.3.4_150715)
- 11) Channel NVR: DS-7832N-K2 (V3.3.9_151228)
- 12) 96000N-I NVR: (V3.6.20)

- **Genetec Omnicast 4.8 SR8**

- **NUUO:**

- 1) Version: V7.0.0, drive version: V5.6;

- **Milestone:**

- 2) Milestone Enterprise 8.1a, Milestone drive version (Driver 8.9)
- 3) Milestone software version (Milestone Corporate 2017 R1 11.1a), Milestone drive version (Driver 8.9)

- **Avigilon:**

- 1) Control Center: V5.10.8.2, V6.0.2.6
- **Excaqvision:**
- 2) Version: 8.4.1.110805
- **Avigilon Control Center: V6.0.2.6, 5.10.8.2**

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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Product Category	Model Number
People Counting Camera	iDS-2CD6810F/C(2.0mm) (Released)
People Counting Camera	iDS-2CD6810F/C(2.8mm) (Released)
People Counting Camera	iDS-2CD6810F/C(4.0mm) (Released)
People Counting Camera	iDS-2CD6810F-IV/C(2.8mm) (Release sample)
People Counting Camera	iDS-2CD6810F-IV/C(4.0mm) (Release sample)
People Counting Camera	iDS-2XM6810F-I/C(2.0mm) (Release sample)
People Counting Camera	iDS-2XM6810F-IM/C(2.0mm) (Release sample)