

Network Camera Firmware

Version: V5.5.150

Release Note

(2020-11-25)

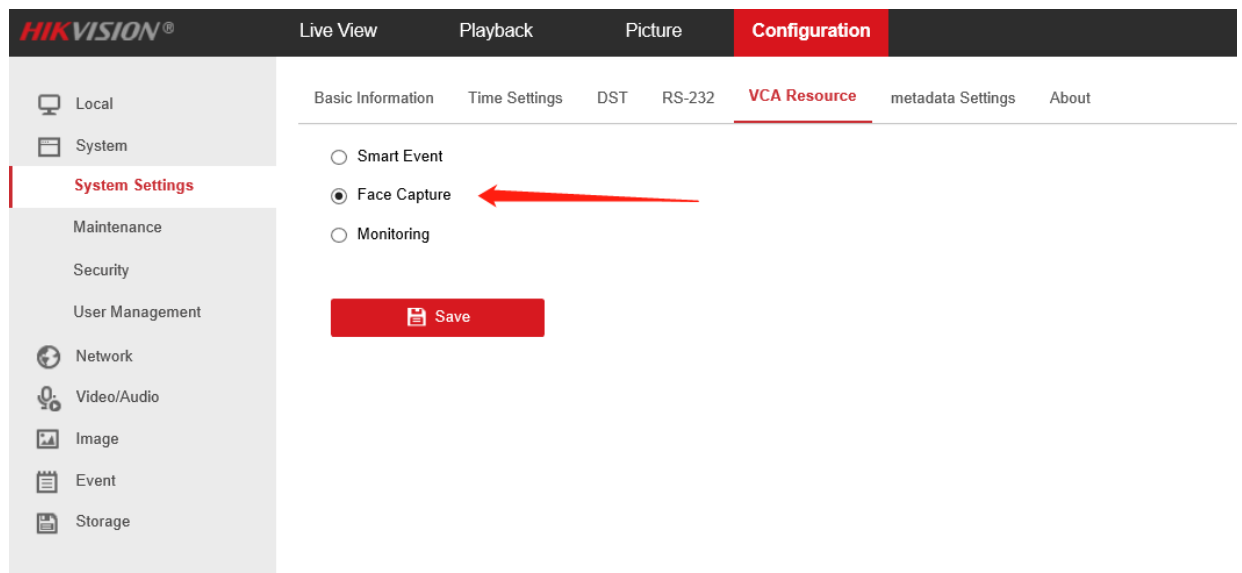
Firmware Basic Information	Firmware Version:	V5.5.150 build200927
	Encoding Version	V7.3 build 200927
	Web Version	V4.0.1 build 200817
	Plugin Version	3.0.7.29

Reason of Upgrade

Upgrade for fixing known issues, supporting new models and some new features.

New features

1. Support Face Capture function, and upload face attributes, including gender, age, glasses, mask, hat, beard.
 - a. You can find face capture function by switching VCA Resource. Switching it will need a reboot.



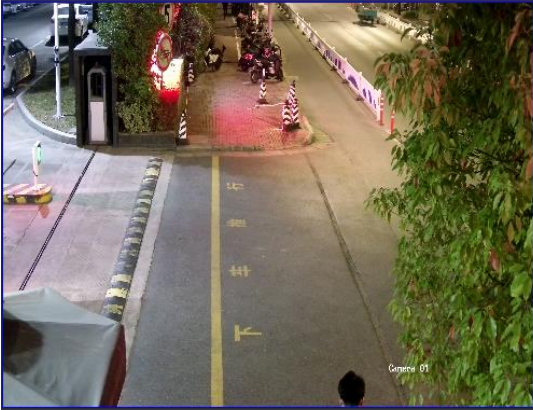


- b. Face Capture mode include sending the mask wearing attributes, BUT **DON'T** support the mask detection alarm by the camera itself. The attributes can be sent to the NVR or the HCP and the alarm can be realized by them.

<input type="checkbox"/>	5	Encoding Device:shiwai Came...	Face Capture Alarm	2020-10-22 19:20:34	Uncategorized	Linked Camera: Camera1_shiwai,Capture Time:2020-10...	Unacknow
<input type="checkbox"/>	4	Encoding Device:shiwai Came...	Face Capture Alarm	2020-10-22 19:19:36	Uncategorized	Linked Camera: Camera1_shiwai,Capture Time:2020-10...	Unacknow
<input type="checkbox"/>	3	Encoding Device:shiwai Came...	Face Capture Alarm	2020-10-22 19:19:01	Uncategorized	Linked Camera: Camera1_shiwai,Capture Time:2020-10...	Unacknow
<input type="checkbox"/>	2	Encoding Device:shiwai Came...	Face Capture Alarm	2020-10-22 19:18:38	Uncategorized	Linked Camera: Camera1_shiwai,Capture Time:2020-10...	Unacknow
<input type="checkbox"/>	1	Encoding Device:shiwai Came...	Face Capture Alarm	2020-10-22 19:12:02	Uncategorized	Linked Camera: Camera1_shiwai,Capture Time:2020-10...	Unacknow

Event Details

Video Auto-Play Video Picture Set the recording schedule first. **Event Details**



Linked Camera: Camera1_shiwai,Capture Time:2020-10-22 19:13:9,Face ID:1260,Face Score:17,Age:38,Age Group:Middle-aged,Gender:Male,Glasses:Not wear Glasses,Wear Mask:No, Facial Expression:No,Expression,Bearded:No,Wearing Hat:No,Dwell Time:3Seconds

- Support the Perimeter classification alarm function, adds the target confidence configuration, filters the detected human body alarms or vehicle target alarms; Through algorithm optimization, the accuracy of alarm is improved, especially for small target alarm.

The target confidence is divided into four levels, namely Basic, High, Higher, and Highest, which respectively represent the general, suspicious, credible and most credible confidence levels;

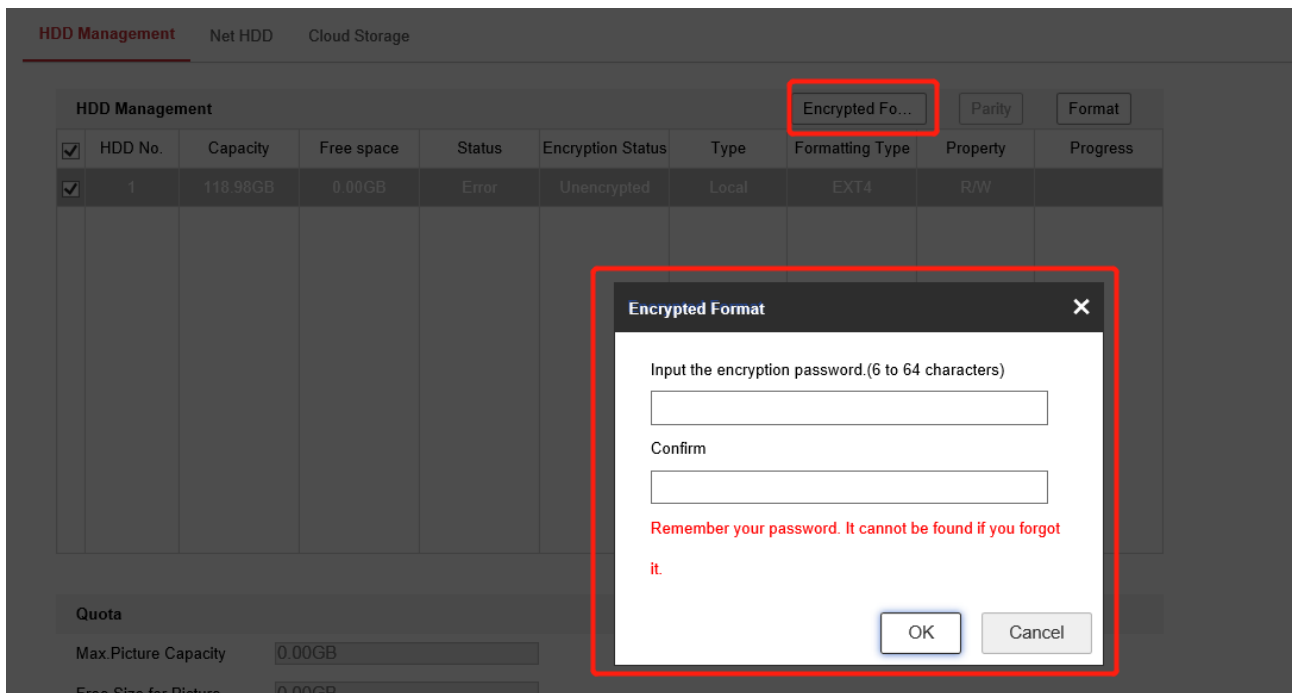
Default as Basic - Compatible with previous versions. If there is the request on the precision of false alarm filter, switch the level up one by one and observe the effect. At the same time, the rise of the validity level will cause the risk rising of alarm missing.

The screenshot shows the NVR configuration interface for smart event detection. On the left is a navigation menu with categories: System, Network, Video/Audio, Image, Event, Basic Event, Smart Event, and Storage. The 'Smart Event' section is active, showing a 'Region' dropdown set to '1'. The main area displays a live video feed of a street at night with a yellow detection area around a person, labeled '#1#'. Below the video are controls for 'Max. Size', 'Min. Size', 'Detection Area', and 'Clear'. The 'Detection Target' section has checkboxes for 'Human' and 'Vehicle', both checked. The 'Threshold(s)' slider is set to 0, and the 'Sensitivity' slider is set to 50. The 'Target Validity' dropdown is open, showing options: Basic, High, Higher, and Highest. A red 'Save' button is at the bottom.

3. Support NVR configuration of sound and light alarm function parameters and trigger manually.
4. It supports the function of video expiration. If the storage time of video exceeds the expiration time, it will be deleted, and the deleted video **CANNOT** be recovered.

The screenshot shows the 'Configuration' tab of the NVR interface, specifically the 'Record Schedule' section. The 'Enable' checkbox is checked, and the recording mode is set to 'Continuous'. A grid shows recording schedules for each day of the week from 0 to 12 hours. An 'Advanced' button is highlighted with a red box. An 'Advanced' dialog box is open, showing settings for 'Pre-record' (5s), 'Post-record' (5s), and 'Stream Type' (Main Stream(Normal)). The 'Enable Recording Expiration' checkbox is checked, and the 'Expired Time' is set to 7 days. A red box highlights the 'Expired Time' field. A note at the bottom states: 'Note: The actual storage days of the recordings is related to the bitrate and percentage of record in memory card.' 'OK' and 'Cancel' buttons are at the bottom of the dialog.

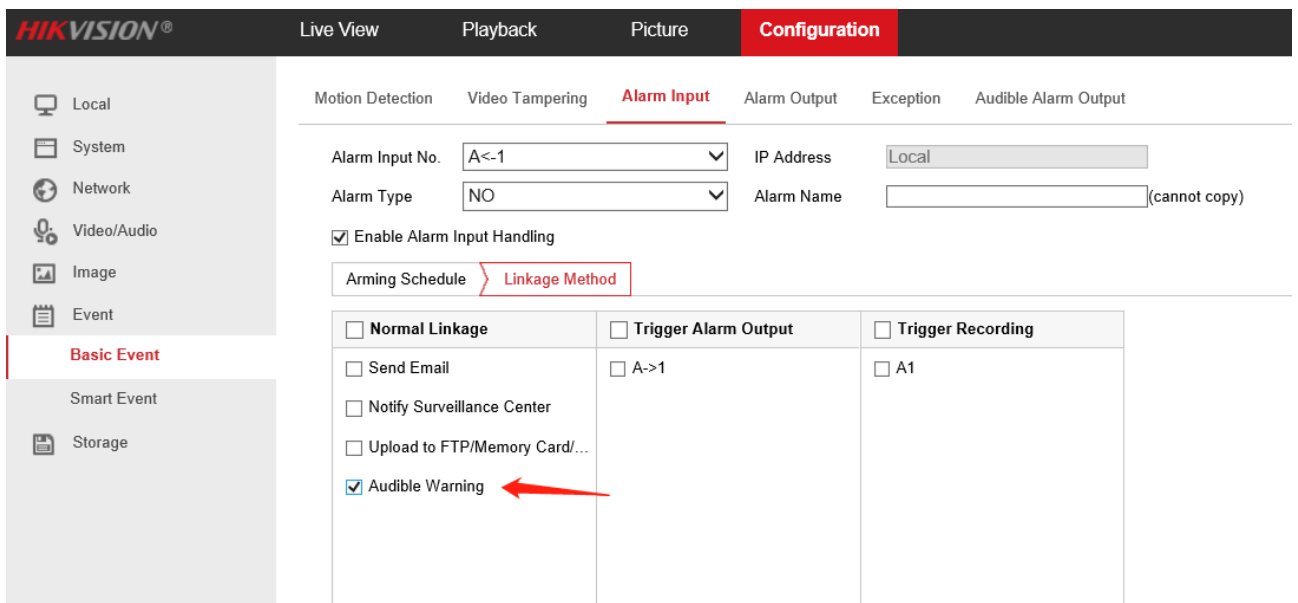
5. Support SD card storage encryption and the password **CANNOT** be found back.



6. Support host name function, can be customized domain name settings.

7. Support FTP, SFTP pictures continue transmission after network interruption. **(Only supported by 3 series)**

8. Alarm input function linkage mode supports sound and light alarm. **(only supported by the models of /SL)**



9. The third stream supports NPQ function, which is not enabled by default, including automatic, resolution first, frame rate first, error correction mode, and automatic mode by default. **(Only supported by 3 series)**
10. Support certificate unified management and expiration alarm.
11. Support SRTP preview. **(Only supported by 3 series)**
12. Support video quality diagnosis. **(Only supported by 3 series)**
13. The fourth stream in normal monitoring mode supports EPTZ, 256 preset points and 4 cruise paths. **(Only supported by 3 series)**
14. Support the automatic maintenance function: Set the automatic restart of the equipment, default close.

The screenshot shows a web interface for device management. At the top, there is a section titled 'Upgrade' with a 'Firmware' dropdown menu, an empty text input field, and 'Browse' and 'Upgrade' buttons. Below this is a 'Status' section with a note: 'Note: The upgrading process will be 1 to 10 minutes, please don't disconnect power to the device during the process. The device reboots'. The 'Device Auto Maintenance' section is highlighted with a red box and contains a 'Device Auto Maintenance' header, an 'Enable Auto Maintenance' checkbox, and a 'Maintenance Time' field with a dropdown menu set to 'Sun' and a time input field set to '00:00:00'. At the bottom of the form is a red 'Save' button.

15. 3B, 3D models support low temperature environment start heating.
16. Fixed the problem of screen ghosting after the 8MP model when the device is turned on WDR mode (this problem exists in versions of 5.5.130, 5.5.131, 5.5.134, 5.5.135)

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 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

Encoding mode	Product catalog	Model Number	Product Description
IPC	AcuSense Bullet	DS-2CD2026G2-I(U)	2MP, IR, Perimeter Protection, Face Capture, Built-in Mic
IPC	AcuSense Bullet	DS-2CD2026G2-IU/SL	2MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPC	ColorVu Bullet	DS-2CD2027G2-L(U)	2MP, Perimeter Protection, Face Capture, Built-in Mic
IPC	AcuSense Bullet	DS-2CD2046G2-I(U)	4MP, IR, Perimeter Protection, Face Capture, Built-in Mic
IPC	AcuSense Bullet	DS-2CD2046G2-IU/SL	4MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPC	ColorVu Bullet	DS-2CD2047G2-L(U)	4MP, Perimeter Protection, Face Capture, Built-in Mic
IPC	AcuSense Bullet	DS-2CD2086G2-I(U)	8MP, IR, Perimeter Protection, Face Capture, Built-in Mic

IPC	AcuSense Dome	DS-2CD2126G2-I(S)	2MP, IR, Perimeter Protection, Face Capture
IPC	AcuSense Dome	DS-2CD2126G2-ISU	2MP, IR, Perimeter Protection, Face Capture, Built-in Mic
IPC	AcuSense Dome	DS-2CD2146G2-I(S)	4MP, IR, Perimeter Protection, Face Capture
IPC	AcuSense Dome	DS-2CD2146G2-ISU	4MP, IR, Perimeter Protection, Face Capture, Built-in Mic
IPC	AcuSense Turret	DS-2CD2326G2-I(U)	2MP, IR, Perimeter Protection, Face Capture, Built-in Mic
IPC	AcuSense Turret	DS-2CD2326G2-ISU/SL	2MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPC	ColorVu Turret	DS-2CD2327G2-L(U)	2MP, Perimeter Protection, Face Capture, Built-in Mic
IPC	AcuSense Turret	DS-2CD2346G2-I(U)	4MP, IR, Perimeter Protection, Face Capture, Built-in Mic
IPC	AcuSense Turret	DS-2CD2346G2-ISU/SL	4MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPC	ColorVu Turret	DS-2CD2347G2-L(U)	4MP, Perimeter Protection, Face Capture, Built-in Mic
IPC	AcuSense Turret	DS-2CD2386G2-I(U)	8MP, IR, Perimeter Protection, Face Capture, Built-in Mic
IPC	AcuSense Turret	DS-2CD2386G2-ISU/SL	8MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPC	AcuSense Bullet	DS-2CD2626G2-IZS	2MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPC	AcuSense Bullet	DS-2CD2626G2-IZSU/SL	2MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm, Motorized Varifocal
IPC	AcuSense Bullet	DS-2CD2626G2T-IZS	2MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPC	AcuSense Bullet	DS-2CD2646G2-IZS	4MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPC	AcuSense Bullet	DS-2CD2646G2-IZSU/SL	4MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm, Motorized Varifocal
IPC	AcuSense Bullet	DS-2CD2646G2T-IZS	4MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPC	AcuSense Bullet	DS-2CD2686G2-IZS	8MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPC	AcuSense Bullet	DS-2CD2686G2-IZSU/SL	8MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm, Motorized Varifocal
IPC	AcuSense Bullet	DS-2CD2686G2T-IZS	8MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal

IPC	AcuSense Dome	DS-2CD2726G2-IZS	2MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPC	AcuSense Dome	DS-2CD2726G2T-IZS	2MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPC	AcuSense Dome	DS-2CD2746G2-IZS	4MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPC	AcuSense Dome	DS-2CD2746G2T-IZS	4MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPC	AcuSense Dome	DS-2CD2786G2-IZS	8MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPC	AcuSense Dome	DS-2CD2786G2T-IZS	8MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPC	AcuSense Bullet	DS-2CD2T26G2-2I/4I	2MP, IR, Perimeter Protection, Face Capture
IPC	AcuSense Bullet	DS-2CD2T26G2-ISU/SL	2MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPC	ColorVu Bullet	DS-2CD2T27G2-L	2MP, Perimeter Protection, Face Capture
IPC	AcuSense Bullet	DS-2CD2T46G2-2I/4I	4MP, IR, Perimeter Protection, Face Capture
IPC	AcuSense Bullet	DS-2CD2T46G2-ISU/SL	4MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPC	ColorVu Bullet	DS-2CD2T47G2-L	4MP, Perimeter Protection, Face Capture
IPC	AcuSense Bullet	DS-2CD2T86G2-2I/4I	8MP, IR, Perimeter Protection, Face Capture
IPC	AcuSense Bullet	DS-2CD2T86G2-ISU/SL	8MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPCG	AcuSense Bullet	DS-2CD3026G2-IS	2MP, IR, Perimeter Protection, Face Capture
IPCG	AcuSense Bullet	DS-2CD3026G2-IU/SL	2MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPCG	ColorVu Bullet	DS-2CD3027G2-LS	2MP, Perimeter Protection, Face Capture
IPCG	ColorVu Bullet	DS-2CD3047G2-LS	4MP, Perimeter Protection, Face Capture
IPCG	AcuSense Bullet	DS-2CD3056G2-IS	5MP, IR, Perimeter Protection, Face Capture
IPCG	AcuSense Bullet	DS-2CD3056G2-IU/SL	5MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPCG	AcuSense Bullet	DS-2CD3086G2-IS	8MP, IR, Perimeter Protection, Face Capture

IPCG	AcuSense Dome	DS-2CD3126G2-IS	2MP, IR, Perimeter Protection, Face Capture
IPCG	AcuSense Dome	DS-2CD3156G2-IS	5MP, IR, Perimeter Protection, Face Capture
IPCG	AcuSense Turret	DS-2CD3326G2-IS	2MP, IR, Perimeter Protection, Face Capture
IPCG	AcuSense Turret	DS-2CD3326G2-ISU/SL	2MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPCG	ColorVu Turret	DS-2CD3327G2-LS	2MP, Perimeter Protection, Face Capture
IPCG	ColorVu Turret	DS-2CD3347G2-LS	4MP, Perimeter Protection, Face Capture
IPCG	AcuSense Turret	DS-2CD3356G2-IS	5MP, IR, Perimeter Protection, Face Capture
IPCG	AcuSense Turret	DS-2CD3356G2-ISU/SL	5MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPCG	AcuSense Turret	DS-2CD3386G2-IS	8MP, IR, Perimeter Protection, Face Capture
IPCG	AcuSense Bullet	DS-2CD3626G2-IZS	2MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPCG	AcuSense Bullet	DS-2CD3626G2T-IZS	2MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPCG	AcuSense Bullet	DS-2CD3656G2-IZS	5MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPCG	AcuSense Bullet	DS-2CD3656G2T-IZS	5MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPCG	AcuSense Bullet	DS-2CD3686G2-IZS	8MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPCG	AcuSense Bullet	DS-2CD3686G2T-IZS	8MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPCG	AcuSense Dome	DS-2CD3726G2-IZS	2MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPCG	AcuSense Dome	DS-2CD3726G2T-IZS	2MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
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IPCG	AcuSense Dome	DS-2CD3786G2-IZS	8MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal
IPCG	AcuSense Dome	DS-2CD3786G2T-IZS	8MP, IR, Perimeter Protection, Face Capture, Motorized Varifocal



First Choice for Security Professionals

IPCG	AcuSense Bullet	DS-2CD3T26G2-4IS	2MP, IR, Perimeter Protection, Face Capture
IPCG	AcuSense Bullet	DS-2CD3T26G2-ISU/SL	2MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPCG	AcuSense Bullet	DS-2CD3T56G2-4IS	5MP, IR, Perimeter Protection, Face Capture
IPCG	AcuSense Bullet	DS-2CD3T56G2-ISU/SL	5MP, IR, Perimeter Protection, Face Capture, Built-in Mic, Light and audio alarm
IPCG	AcuSense Bullet	DS-2CD3T86G2-4IS	8MP, IR, Perimeter Protection, Face Capture