

Title:	RN Network Camera v5.6.10	Version:	V5.6.10	Date:	011520
Product:	Hikvision Network Cameras	Build:	20190919	Page:	1 of 8
Action Required:	None, Information Only				

■ Summary

The firmware for Hikvision network cameras has been updated.

■ Version Updates

Firmware Version	v5.6.10_190919
SDK Version	v6.1.0.45_190909
iVMS-4200	v3.1.2.1_190919

■ New Features

- Optimized
 1. SFTP function is newly supported and includes the AES128 and AES256 encryption algorithms. AES256 is the default algorithm. SRTP supports multicast, audio and video. iVMS-4200 and SDK demo can access the stream using SRTP. SRTP also supports audio and video encryption, and the supported protocols include UDP and Multicast. Web Components does not support SRTP stream access. The right certificate must be selected in order for the function to take effect. Certificate status may be checked in the Certificate Management interface.
 2. SD card encryption is supported. When a memory card is installed, its encryption status is displayed as follows: **unencrypted**, **encrypted**, or **verification failed**. Unencrypted memory cards can be formatted by clicking "Format" or "Encrypted Format". An encryption password is required to perform the "Encrypted Format" function. An encrypted memory card cannot playback directly on a Windows machine.
 3. Encrypted upload with ISAPI is supported and the protocol can be selected as HTTPS. For the Queue Detection and Face Capture functions, an alarm picture can be uploaded with HTTP/HTTPS. No other smart or basic events are supported.
 4. The Security Audit Log function is supported. The flash log will not be deleted when the device is restored or defaulted. A total of 800 logs can be saved. "Enable Log Upload Server" and "Enable Encrypted Transmission" options are disabled by default. A certificate must be installed in the Certificate Management interface when encrypted transmission is enabled.
 5. The Certificate Management function is newly supported. The creation of a Self-Signed Certificate is also supported. Only 16 certificates are allowed for the CA certificate, and for the Server and Client certificate. Certificate permissions consist of the following:

Title:	RN Network Camera v5.6.10	Version:	V5.6.10	Date:	011520
Product:	Hikvision Network Cameras	Build:	20190919	Page:	2 of 8
Action Required:	None, Information Only				

- Certificate Management: administrators are the only ones that have configuration permission – other users only have checking permission.
 - Certificate Selection
 - Certificate Expiry Alarm
6. The Certificate Expiry Alarm function is supported.
 7. The Recording Expiry function is supported, and is disabled by default. If enabled, the recordings cannot be restored. The expiry time can be a set range from 1 to 90 days.
 8. The EPTZ patrol function is supported. It deletes all set patrol paths and presets after the device is restored and defaulted. The function supports all 5 and 7 series network cameras, except for the DS 2CD7126G0/L IZS, which is only supported in Smart Event mode for 7 series network cameras. EPTZ is disabled by default and the original PTZ function cannot be used after the EPTZ function is enabled. RS-485 cannot be used simultaneously with EPTZ.
 9. The EPTZ auto-tracking function is supported. The function is supported for all 5 and 7 series network cameras, except for the DS 2CD7126G0/L-IZS. For that product, the feature is only supported in Smart Event mode for 7 series cameras. The "Human or Vehicle" option can also be selected for 7 series cameras.
 10. For smart events, the rule frame and target frame can be overlaid onto a background picture in sub-stream mode. Supported smart events include intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection and object removal detection. Detection targets are not supported. The user can enable local rule information in Web mode simultaneously.
 11. The stream rule is supported and can be overlaid onto a live view image, rule frame or target frame on a background picture. Supported smart events include intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection and object removal detection.
 12. The privacy mask supports mosaic mode.
 13. FTP/SFTP supports automatic replenishment. Supported events include queue detection, face capture, and smart events (intrusion detection, line crossing detection, region entrance detection, region exiting detection, unattended baggage detection and object removal detection).

Title:	RN Network Camera v5.6.10	Version:	V5.6.10	Date:	011520
Product:	Hikvision Network Cameras	Build:	20190919	Page:	3 of 8
Action Required:	None, Information Only				

14. The queue management function supports the storage of regional queue-up and wait time detection event pictures. Upload to FTP, memory card or NAS must be enabled.
15. The IP Address Filter function supports filter by IP segment.
16. Smart Display position can be changed.
17. Face capture version has been upgraded. The invalid capture filter function has been cancelled.
18. The name of Ehome 5.0 has been changed to ISUP.
19. The illegal login attempt time is different from the email password reset attempt time, and can be configured. The default illegal login attempt time value is 7, and the default email password reset attempt time is 3.
20. The HEOP license saving mechanism and validity function have been optimized.

■ Compatibility Updates

- Milestone:
 1. Milestone Corporate (ISAPI) version: 2018R2, 12.2a, 8608
- Avigilon (ONVIF):
 1. v6.8.20180110
- Exacq_ISAPI:
 1. v19.03.6.152960 (x64)
- Digifort: v7.2.0.0
- Tested NVRs:
 1. DeepInmind NVR: iDS-96128NXI-I16 v4.1.25, only for vehicle detection testing
 2. I Series:

Title:	RN Network Camera v5.6.10	Version:	V5.6.10	Date:	011520
Product:	Hikvision Network Cameras	Build:	20190919	Page:	4 of 8
Action Required:	None, Information Only				

- DS-7716NI-I4 v4.1.64_190119
- DS-96256NI-I24 v4.1.63_181106
- DS-7716NI-I4 NVR_K51_BL_CN_STD_V4.21.000_190409
- Other:
 1. HikCentral platform version: v1.4.0.6, Ehome 5.0
 2. Ehome Demo: v2.2.1.151

■ Supported Product List

Product Category	Model Number	Product Description
Box Camera	DS-2CD5026G0-(A)(P)	2 MP, 60 fps, 140dB WDR
Box Camera	DS-2CD5046G0-(A)(P)	4 MP, 140dB WDR
Box Camera	DS-2CD5065G0-(A)(P)	6 MP, ABF, P-iris optional
Box Camera	DS-2CD5085G0-(A)(P)	8 MP, ABF, P-iris optional
Box Camera	DS-2CD50C5G0-(P)	12MP, P-iris optional
Indoor Dome Camera	DS-2CD5126G0-IZS (2.8-12mm)(8-32mm)	2 MP, 60 fps, 140dB WDR
Indoor Dome Camera	DS-2CD5146G0-IZS (2.8-12mm)	4 MP, IK10, 140dB WDR
Indoor Dome Camera	DS-2CD5165G0-IZS (2.8-12mm)	6 MP, IK10, WDR
Indoor Dome Camera	DS-2CD5185G0-IZS (2.8-12mm)	8 MP, IK10, WDR
Indoor Dome Camera	DS-2CD51C5G0-IZS (2.8-12mm)	12 MP, IK10, WDR
Indoor Dome Camera	DS-2CD5126G0-IZS (2.8-12mm)(B)	2 MP, 60 fps, 140dB WDR
Indoor Dome Camera	DS-2CD5146G0-IZS (2.8-12mm)(B)	4 MP, IK10, 140dB WDR
Indoor Dome Camera	DS-2CD5165G0-IZS (2.8-12mm)(B)	6 MP, IK10, WDR
Indoor Dome Camera	DS-2CD5185G0-IZS (2.8-12mm)(B)	8 MP, IK10, WDR
Indoor Dome Camera	DS-2CD51C5G0-IZS (2.8-12mm)(B)	12 MP, IK10, WDR
Indoor Dome Camera	DS-2CD51C5G0-IZS (2.8-12mm)	12 MP, IK10, IR
Anti-Corrosion Dome Camera	DS-2CD5526G0-IZ(H)SY(2.8-12mm)(B)	2 MP, IR, Anti-Corrosion
Anti-Corrosion Dome Camera	DS-2CD5546G0-IZ(H)SY(2.8-12mm)(B)	4 MP, IR, Auto-iris, Anti-Corrosion
Outdoor Dome Camera	DS-2CD5526G0-IZ(H)S(2.8-12mm)(8-32mm)	2 MP, IR, Heater optional
Outdoor Dome Camera	DS-2CD5546G0-IZ(H)S(2.8-12mm)(8-32mm)	4 MP, IR, WDR

Title:	RN Network Camera v5.6.10	Version:	V5.6.10	Date:	011520
Product:	Hikvision Network Cameras	Build:	20190919	Page:	5 of 8
Action Required:	None, Information Only				

Outdoor Dome Camera	DS-2CD5565G0-IZ(H)S(2.8-12mm)	6 MP, IR, WDR
Outdoor Dome Camera	DS-2CD5585G0-IZ(H)S(2.8-12mm)(8-32mm)	8 MP, IR, Heater optional
Outdoor Dome Camera	DS-2CD55C5G0-IZ(H)S(2.8-12mm)	12 MP, IR, Heater optional
Outdoor Dome Camera	DS-2CD5565G0-IZ(H)S(2.8-12mm)(B)	6 MP, IR, WDR
Outdoor Dome Camera	DS-2CD5585G0-IZ(H)S(2.8-12mm)(B)	8 MP, IR, Heater optional
Outdoor Dome Camera	DS-2CD55C5G0-IZ(H)S(2.8-12mm)(B)	12 MP, IR, Heater optional
Outdoor Dome Camera	DS-2CD5526G1-IZ(H)S(2.8-12mm)(8-32mm) External cable	2 MP, IR, Heater optional
Outdoor Dome Camera	DS-2CD5546G0-IZ(H)S(2.8-12mm)(8-32mm) External cable	4 MP, IR, WDR
Outdoor Dome Camera	DS-2CD5585G0-IZ(H)S(2.8-12mm)(8-32mm) External cable	8 MP, IR, WDR
Bullet Camera	DS-2CD5A26G0-IZ(H)S(2.8-12mm)(8-32mm)	2 MP, IR, WDR, Heater optional
Bullet Camera	DS-2CD5A46G0-IZ(H)S(2.8-12mm)(8-32mm)	4 MP, IR, WDR, Heater optional
Bullet Camera	DS-2CD5A46G0-IZ/UH(H)S(2.8-12mm)	4 MP, IR, WDR, Heater optional
Bullet Camera	DS-2CD5A65G0-IZ(H)S(2.8-12mm)(8-32mm)	6 MP, IR, Heater optional
Bullet Camera	DS-2CD5A85G0-IZ(H)S(2.8-12mm)(8-32mm)	8 MP, IR, Heater optional
Bullet Camera	DS-2CD5AC5G0-IZ(H)S(2.8-12mm)	12 MP, IR, Heater optional
Bullet Camera	DS-2CD5A26G0-IZ(H)SY(2.8-12mm)(B)	2 MP, IR, WDR, Anti-Corrosion
Bullet Camera	DS-2CD5A46G0-IZ(H)SY(2.8-12mm)(B)	4 MP, IR, WDR, Anti-Corrosion
Bullet Camera	DS-2CD5A65G0-IZ(H)S(2.8-12mm)(B)	6 MP, IR, Heater optional
Bullet Camera	DS-2CD5A85G0-IZ(H)S(2.8-12mm)(B)	8 MP, IR, Heater optional
Bullet Camera	DS-2CD5AC5G0-IZ(H)S(2.8-12mm)(B)	12 MP, IR, Heater optional
Bullet Camera	DS-2CD5A26G1-IZ(H)S(2.8-12mm)(8-32mm) External cable	2 MP, IR, WDR
Bullet Camera	DS-2CD5A26G0-IZ(H)SY(2.8-12mm)(C)	2 MP, IR, WDR
Bullet Camera	DS-2CD5A46G1-IZ(H)S(2.8-12mm)(8-32mm) External cable	4 MP, IR, WDR
Bullet Camera	DS-2CD5A46G0-IZ(H)SY(2.8-12mm)(C)	4 MP, IR, WDR
Bullet Camera	DS-2CD5A85G1-IZ(H)S(2.8-12mm)(8-32mm) External cable	8 MP, IR, WDR
Box Camera	DS-2CD7026G0-(A)(P)	2 MP, P-iris optional
Box Camera	DS-2CD7046G0-(A)(P)	4 MP, P-iris optional
Box Camera	DS-2CD7065G0-(A)(P)	6 MP, P-iris optional
Box Camera	DS-2CD7085G0-(A)(P)	8 MP, P-iris optional

Title:	RN Network Camera v5.6.10	Version:	V5.6.10	Date:	011520
Product:	Hikvision Network Cameras	Build:	20190919	Page:	6 of 8
Action Required:	None, Information Only				

Indoor Dome Camera	DS-2CD712660-IZS(2.8-12mm)(8-32mm)	2 MP, IK10, WDR, IR
Indoor Dome Camera	DS-2CD712660/L-IZS(2.8-12mm)	2 MP, IK10, WDR, IR
Indoor Dome Camera	DS-2CD714660-IZS(2.8-12mm)(8-32mm)	4 MP, IK10, WDR, IR
Indoor Dome Camera	DS-2CD716560-IZS(2.8-12mm)	6 MP, IK10, IR
Indoor Dome Camera	DS-2CD718560-IZS(2.8-12mm)(8-32mm)	8 MP, IK10, IR
Indoor Dome Camera	DS-2CD712660-IZS(2.8-12mm)(B)	2 MP, IK10, WDR, IR
Indoor Dome Camera	DS-2CD712660/L-IZS(2.8-12mm)(B)	2 MP, IK10, WDR, IR
Indoor Dome Camera	DS-2CD714660-IZS(2.8-12mm)(B)	4 MP, IK10, WDR, IR
Indoor Dome Camera	DS-2CD716560-IZS(2.8-12mm)(B)	6 MP, IK10, IR
Indoor Dome Camera	DS-2CD718560-IZS(2.8-12mm)(B)	8 MP, IK10, IR
Outdoor Dome Camera	DS-2CD752660-IZ(H)SY(2.8-12mm)(8-32mm)	2 MP, IR, Anti-Corrosion
Outdoor Dome Camera	DS-2CD754660-IZ(H)SY(2.8-12mm)(8-32mm)	4 MP, IR, Anti-Corrosion
Outdoor Dome Camera	DS-2CD752660-IZ(H)S(2.8-12mm)(8-32mm)	2 MP, IR, WDR
Outdoor Dome Camera	DS-2CD754660-IZ(H)S(2.8-12mm)(8-32mm)	4 MP, IR, WDR
Outdoor Dome Camera	DS-2CD756560-IZ(H)S(2.8-12mm)	6 MP, IR, WDR
Outdoor Dome Camera	DS-2CD758560-IZ(H)S(2.8-12mm)(8-32mm)	8 MP, IR, WDR
Outdoor Dome Camera	DS-2CD752660-IZ(H)SY(2.8-12mm)(B)	2 MP, IR, Anti-Corrosion
Outdoor Dome Camera	DS-2CD754660-IZ(H)SY(2.8-12mm)(B)	4 MP, IR, Anti-Corrosion
Outdoor Dome Camera	DS-2CD752660-IZ(H)S(2.8-12mm)(B)	2 MP, IR, WDR
Outdoor Dome Camera	DS-2CD754660-IZ(H)S(2.8-12mm)(B)	4 MP, IR, WDR
Outdoor Dome Camera	DS-2CD756560-IZ(H)S(2.8-12mm)(B)	6 MP, IR, WDR
Outdoor Dome Camera	DS-2CD758560-IZ(H)S(2.8-12mm)(B)	8 MP, IR, WDR
Bullet Camera	DS-2CD7A2660-IZ(H)S(2.8-12mm)(8-32mm)	2 MP, IR, WDR
Bullet Camera	DS-2CD7A2660-IZ(H)SY(2.8-12mm)(8-32mm)	2 MP, IR, Anti-Corrosion
Bullet Camera	DS-2CD7A4660-IZ(H)S(2.8-12mm)(8-32mm)	4 MP, IR, WDR
Bullet Camera	DS-2CD7A4660-IZ(H)SY(2.8-12mm)(8-32mm)	4 MP, IR, Anti-Corrosion
Bullet Camera	DS-2CD7A6560-IZ(H)S(2.8-12mm)	6 MP, IR, Heater optional
Bullet Camera	DS-2CD7A8560-IZ(H)S(2.8-12mm)(8-32mm)	8 MP, IR, Heater optional
Bullet Camera	DS-2CD7A2660-IZ(H)S(2.8-12mm)(B)	2 MP, IR, WDR
Bullet Camera	DS-2CD7A4660-IZ(H)S(2.8-12mm)(B)	4 MP, IR, WDR

Title:	RN Network Camera v5.6.10	Version:	V5.6.10	Date:	011520
Product:	Hikvision Network Cameras	Build:	20190919	Page:	7 of 8
Action Required:	None, Information Only				

Bullet Camera	DS-2CD7A65G0-IZ(H)S(2.8-12mm)(B)	6 MP, IR, WDR
Bullet Camera	DS-2CD7A85G0-IZ(H)S(2.8-12mm)(B)	8 MP, IR, WDR

Supported P-Iris Models	
DS-2CD5546G0-IZ(H)S (8-32)	DS-2CD5526G0-IZ(H)S (2.8-12) (B)
DS-2CD5585G0-IZ(H)S (8-32)	DS-2CD5546G0-IZ(H)S (2.8-12) (B)
DS-2CD5A46G0-IZ(H)S (8-32)	DS-2CD5565G0-IZ(H)S (2.8-12) (B)
DS-2CD5A85G0-IZ(H)S (8-32)	DS-2CD5585G0-IZ(H)S (2.8-12) (B)
DS-2CD7146G0-IZS (8-32)	DS-2CD55C5G0-IZ(H)S (2.8-12) (B)
DS-2CD7185G0-IZS (8-32)	DS-2CD5A26G0-IZ(H)S (2.8-12) (B)
DS-2CD7546G0-IZ(H)S (8-32)	DS-2CD5A46G0-IZ(H)S (2.8-12) (B)
DS-2CD7585G0-IZ(H)S (8-32)	DS-2CD5A65G0-IZ(H)S (2.8-12) (B)
DS-2CD7A46G0-IZ(H)S (8-32)	DS-2CD5A85G0-IZ(H)S (2.8-12) (B)
DS-2CD7A85G0-IZ(H)S (8-32)	DS-2CD5AC5G0-IZ(H)S (2.8-12) (B)
DS-2CD5526G1-IZ(H)S (2.8-12)	DS-2CD5526G0-IZ(H)SY (2.8-12) (B)
DS-2CD5526G1-IZ(H)S (8-32)	DS-2CD5546G0-IZ(H)SY (2.8-12) (B)
DS-2CD5546G1-IZ(H)S (2.8-12)	DS-2CD5A26G0-IZ(H)SY (2.8-12) (B)
DS-2CD5546G1-IZ(H)S (8-32)	DS-2CD5A46G0-IZ(H)SY (2.8-12) (B)
DS-2CD5585G1-IZ(H)S (2.8-12)	DS-2CD7126G0-IZS (2.8-12) (B)
DS-2CD5585G1-IZ(H)S (8-32)	DS-2CD7146G0-IZS (2.8-12) (B)
DS-2CD5A26G1-IZ(H)S (2.8-12)	DS-2CD7165G0-IZS (2.8-12) (B)
DS-2CD5A26G1-IZ(H)S (8-32)	DS-2CD7185G0-IZS (2.8-12) (B)
DS-2CD5A46G1-IZ(H)S (2.8-12)	DS-2CD7126G0/L-IZS (2.8-12) (B)
DS-2CD5A46G1-IZ(H)S (8-32)	DS-2CD7526G0-IZ(H)S (2.8-12) (B)
DS-2CD5A85G1-IZ(H)S (2.8-12)	DS-2CD7546G0-IZ(H)S (2.8-12) (B)
DS-2CD5A85G1-IZ(H)S (8-32)	DS-2CD7565G0-IZ(H)S (2.8-12) (B)
DS-2CD5126G0-IZS (2.8-12) (B)	DS-2CD7585G0-IZ(H)S (2.8-12) (B)
DS-2CD5146G0-IZS (2.8-12) (B)	DS-2CD7A26G0-IZ(H)S (2.8-12) (B)
DS-2CD5165G0-IZS (2.8-12) (B)	DS-2CD7A46G0-IZ(H)S (2.8-12) (B)
DS-2CD5185G0-IZS (2.8-12) (B)	DS-2CD7A65G0-IZ(H)S (2.8-12) (B)
DS-2CD51C5G0-IZS (2.8-12) (B)	

Title:	RN Network Camera v5.6.10	Version:	V5.6.10	Date:	011520
Product:	Hikvision Network Cameras	Build:	20190919	Page:	8 of 8
Action Required:	None, Information Only				

■ 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.