

HIKVISION EUROPE

Monthly External Technical Newsletter

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July 2020

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H3 Platform IPC Camera V5.6.11

The latest firmware version of H3 Platform IPC Camera V5.6.11 build200609 has been released.

[Compatible Models](#)

For H3 Platform DS-2CD7A26G0/P Series IPC Camera.



[Improved Features](#)

1. Now can enable 'Remove Duplicated License Plates' and set the interval time of it.

Remove Duplicated License Plates

Time Interval minute(s)

2. Alarm Output's extra time delay has been removed (previously was 5s).
3. Support manual gain adjustment under automatic mode of day and night switching (previously was not supported while in auto mode).

^ Day/Night Switch

Day/Night Switch

^ Exposure Settings

Iris Mode

Exposure Time

4. Now support optional Detection mode of Vehicle Priority and License Plate & Vehicle under Entrance/Exit mode.

Select Mode

Detection mode

Remove Duplicated License Plates

Time Interval minute(s)

For more details please refer to the release note.

[Location](#)

You can find the firmware and release note on Portal:

http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/00%20%20Network%20Camera/00%20%20Product%20Firmware/H3%20platform%285xxx%2C7xxx%2C6924%2C6DX4%2C8426%29/DS-2CD7xxx%27P%20ANPR/V5.6.11_Build200609

H5 Platform PTZ Camera V5.5.40

The latest firmware version of H5 Platform PTZ Camera V5.5.40 build200518 has been released.

Compatible Models

For H5 Platform DS-2DFXXXXXS-AXX(T2), DS-2DF9CXXXS-DLW(T2), iDS-2SK8144IXS-D/J(40X/2812)(T2) Series Camera.

New Features

New models are released.

iDS-2SK8144IXS-D/J(40X/2812)(Overseas STD)(T2)

1. New functions:

【1】 Human capture function:

The device supports the human capture, and can compare the face pictures in the face library. If the comparison is successful, the target is tracked.

【2】 Advanced configuration of human capture

- a. Support human tracking and debugging mode. After opening, the preview screen will display trace debugging information, which is used for PK debugging
- b. Support the function of human tracking and capturing. The device will capture the tracking target when setting up the control tracking. If the face and human body reach the capture threshold, upload the tracking captured face and human body
- c. Magnification control mode: support zoom based on target frame and tracking TZ relationship during control and tracking
- d. Tracking failure dwell time: after tracking failure, the device will stay for a period of time before returning to the initial detection location
- e. Long distance transmission interval of Tracking Alarm: the frequency of uploading GPS information when the device is tracking
- f. Tracking duration: the maximum time for the device to track the target, 0-300s configurable.

【3】 Security requirements

- a. Support session number, session lock, session timeout settings
- b. Web components supports SSH and Bonjour configuration
- c. Reset password import and export key mode add error locking function
- d. Reset password import and export key mode add error locking function
- e. SSH supports sha256 digest algorithm
- f. Encrypted transmission required to reset password verification code
- g. No country field certificate removal restrictions.

【4】 General functions

- a. Overseas equipment supports video expiration function
- b. New certificate management function
- c. New SRTP Preview
- d. New IP address filtering supports address segment filtering.

【5】 Smart-Linkage PTZ Camera requirements

- a. Support gyroscope anti damage alarm function
- b. Support network break exception function detection and SNMP trap function description
- c. Add 1.5x gear for low illumination electronic shutter
- d. Support mosaic function
- e. Support turret camera-PTZ linkage tracking, take over tracking function



H5 Platform PTZ Camera V5.5.40

Optimize

1. GPS function upgrade:
 - a. Support GPS calibration validation
 - b. GPS data will be deleted when default device, rather than restore device
 2. Face capture and multi-target capture function upgrade
 - a. Support beautify face and plate enhancement function
 - b. In video structuralization, multi-target capture supports target trajectory overlay in background image and preview image
 3. Support size filter for smart event
 4. People arming tracking zoom rate optimization: Support gyroscope calibration to fix the issue that device hanging out of alignment in gyroscope device.
 5. In smart mode, multi-channel device support smart post retrieval for each channel
 6. Update HMS4.3, resolve that capture dog by mistake and plate recognition with large pixels
 7. Image configuration:
 - a. Optimize Gain function: In manual exposure mode, remove Limit Gain
 - b. When call preset, scene parameter in front-end will change at the same time
 - c. Brightness control refinement
 - d. Day/Night mode switch sensitivity refinement, support 7 level
 8. Alarm protocol upgrade, support multi-time zone scheme to resolve issue caused by different time zone
 9. Video & Audio:
 - a. Remove 44.1 KHZ in audio coded sampling rate
 - b. Import CVBR encode
 10. Network:
 - a. Support multicast configuration interface
 - b. Support LAN domain name configuration function
 - c. 802.1X supports EAP-TLS, EAP-LEAP protocol
 - d. ISUP 5.0 cloud storage photo server configuration
 - e. OSD word size configuration
 11. Support storage encryption
 12. Smart wiper supports only 1 time by default
- For more details please refer to the release note.

Location

You can find the firmware and release note on Portal:

http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/01%20%20PTZ%20Camera/00%20%20Product%20Firmware/H5%20series%28DS-2DFxxxxX%28T2%29%29/V5.5.40_Build200518

K Series NVR EUI V4.30.005

The latest firmware version of K series NVR EUI V4.30.005 build200628 has been released.

Compatible Models

For DS-76XXNI-K2, DS-77XXNI-K4,
DS-86XXNI-K8 K51 Platform K Series NVR.



New Features

1. **【Support adding motion detection 2.0 IPC】**
 - 1) Support IPC with motion detection 2.0 function, the specific model of IPC is DS-2CD20 (23 / 2T / 26) 2 (4/8) 6G2-I / SL, such as: DS-2CD2026G2-I / SL. The firmware version of IPC is required to be V5.5.130 and later.
 - 2) Support the local GUI, IE and 4200 to configure the target filtering of human body and vehicle. The smart playback interface for local playback and the remote ordinary playback interface add the option of human body-vehicle filtering. After checking, the human body vehicle video information will be marked in red on the progress bar.
2. **【Support access in ISUP 5.0 protocol】**
 - 1) Overseas product support adding ISUP 5.0.
 - 2) Support the configuration of preview, playback, two-way audio and FTP upgrade.
3. **【Support Hik-Connect to enable One-Key Do Not Disturb function】**
 - 1) After Hik-Connect enables the One-Key Do Not Disturb function, all event linkage action will be cancelled.
4. **【Support Hik-Connect to scan NVR QR code to recover password】**
 - 1) Support local HC scanning QR code and mailbox to recover password, Local GUI delete the recovery way of GUID and security issues; WEB still retain GUID, security issues and mailbox to recover password.
 - 2) Only the NVR that has been bound to the HC will display the option to scan the code to recover the password.
 - 3) Only the NVR-bound HC client account can successfully recover the password.
 - 4) Require HC v4.3.0 and later.
5. **【Support GUI local online upgrade by Hik-Connect】**
 - 1) Support IE, GUI local Hik-Connect online upgrade.
 - 2) Support HC remote upgrade
 - 3) Remote upgrade will be pushed to the main menu interface, there will be a red dot prompt in the upper-right corner of the main interface
6. **【Support event recording search in Hik-Connect client】**

Support event recording search in Hik-Connect, continuous recording progress bar with light orange and event recording progress bar with deep orange.
7. **【Support two-way audio function with Hik-Connect】**

Hik-Connctet client can talk directly with certain channel IPC of NVR.
8. **【Add Right-Click menu】**
 - 1) Right-Click menu can be called in both locked and unlocked status.
 - 2) In locked status, you need to unlock first and then perform the operation. In unlocked status, you can directly perform the operation
9. **【Add online and offline status display of IPC in Web】**

IPC status of online or offline could be show in NVR web.

K Series NVR EUI V4.30.005

10. **【Optimization of PoE exception information display】**
 - 1) When switch connect to NVR PoE port, no short-circuit or error information will display.
 - 2) Cameras that link with Switch which connect to NVR PoE port, could also connect to NVR through this switch.
11. **【Adjustment of access mechanism of main stream and sub-stream in Hikvision protocol】**

When main stream can't access in successful, NVR won't access in sub-stream as main stream.
12. **【Local playback】**
 - 1) Support playback according to the selected group form
 - 2) Product model which has 16 channels support playback 16 channels simultaneously
13. **【Authority management】**

Remote users who are not administrator can't export blacklist and whitelist of vehicle.
14. **【Optimization of storage】**
 - 1) Cancel Capture Quota mode
 - 2) Product model which has 4 channels don't support format the HDD which are not NTFS to NTFS.
15. **【Password of IPC activation equal to NVR password by default】**

When NVR is activated for the first time, IPC activation password and NVR password are equal by default. You need to enter a separate IPC activation password if disable this function.
16. **【NVR disable Smart VCA by default】**
 - 1) Separate the function of smart VCA between NVR and IPC

New Features

1. **【Optimization of operation】**
 - 1) Optimization of overall UI effect
 - 2) Optimization of playback: event playback rate up to 8 times, normal playback rate up to 16 times.
2. **【Optimization of search performance】**

Optimize the search mechanism and shorten the search time. Improve the efficiency of search video, smart search, event video, pictures, IOT and logs.

For more details please refer to the release note.

Location

You can find the firmware and release note on Portal:

<http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/02%20%20NVR/00%20%20Product%20Firmware/05%20K-series/K2%20K4%20K8/%5B76%2077%2086%20NI-K2%20K4%20K8%5D/V4.30.005%20build200628>

I Series NVR V4.40.015 build200616

The latest firmware version of I Series NVR V4.40.015 build200616 has been released.

Compatible Models

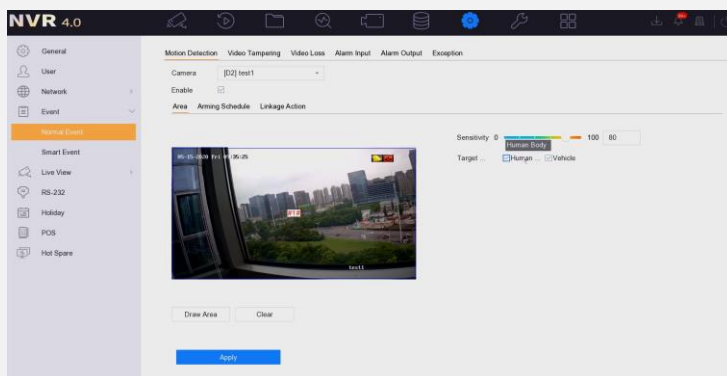
For K51 Platform I Series NVR.

New Features

1. 【Support adding motion detection 2.0 IPC】

1) Support IPC with motion detection 2.0 function, the specific model of IPC is DS-2CD20 (23 / 2T / 26) 2 (4/8) 6G2-I / SL, such as: DS-2CD2026G2-I / SL. The firmware version of IPC is required to be V5.5.130 and later.

2) Support the local GUI, IE and 4200 to configure the target filtering of human body and vehicle. According to the configuration of human body-vehicle filtering, there are three types of alarms: motion detection, motion detection + human body + picture, motion detection + vehicle + picture.



3) The smart playback interface for local playback and the remote ordinary playback interface add the option of human body-vehicle filtering. After checking, the human body-vehicle video information will be marked in red on the progress bar.



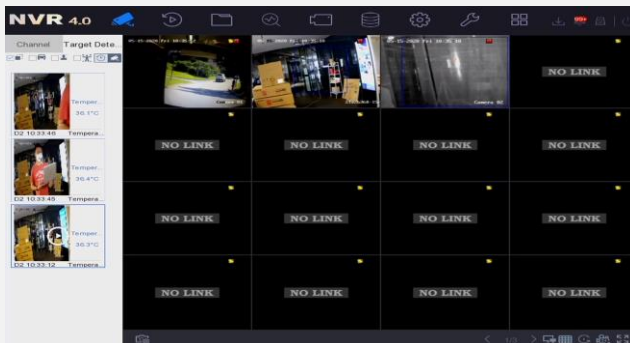
2. 【Support adding audio and light alarm IPC】

1) The events that support the linkage of audio and light alarms are: Motion Detection (only on NVR that support motion detection 2.0), Intrusion Detection, Line Crossing Detection, Region Entrance Detection and Region Exiting Detection.

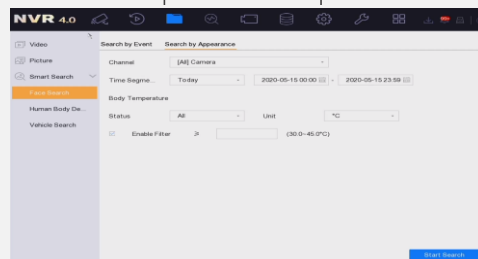
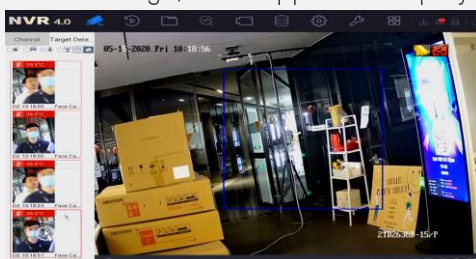
2) Support the configuration of IPC audio and light parameters on the NVR WEB interface, and the operation information will be recorded in the log.

I Series NVR V4.40.015 build200616

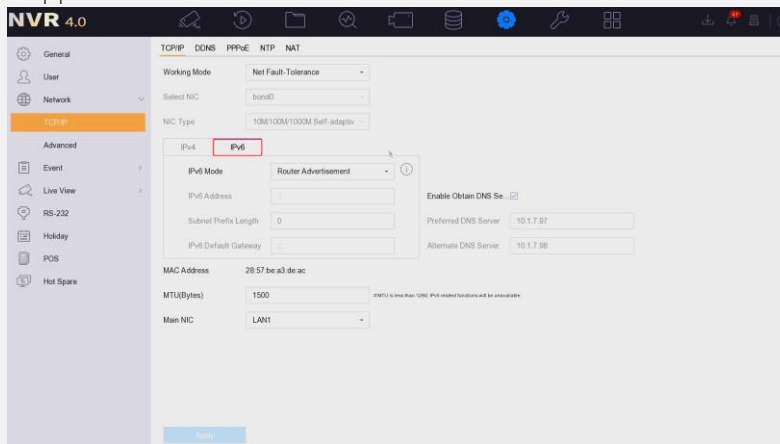
3. **【Support Hik-Connect to enable One-Key Do Not Disturb function】**
 - 1) After Hik-Connect enables the One-Key Do Not Disturb function, the NVR does not perform audio and light linkage and notify surveillance center, and the NVR alarm reception and recoding functions are carried out normally. after turning off the One-Key Do Not Disturb function, it returns to normal. Note: The One-Key Do Not Disturb function does not turn off the linkage of important alarm events. The specific alarm events are: Advanced Motion Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection and Region Exiting Detection.
 - 2) The One-Key Do Not Disturb function will only take effect on the same day after it is turned on, and it will be automatically turned off at 0 o'clock the next day.
4. **【Support Hik-Connect to scan NVR QR code to recover password】**
 - 1) Support local HC scanning QR code and mailbox to recover password, Local GUI delete the recovery way of GUID and security issues; WEB still retain GUID, security issues and mailbox to recover password.
 - 2) Only the NVR that has been bound to the HC will display the option to scan the code to recover the password.
 - 3) Only the NVR-bound HC client account can successfully recover the password.
 - 4) Require HC v4.3.0 and later.
5. **【Support local decoding multi-track streams UHD resolution IPC】**
Support single-screen live view and playback of multi-track streams UHD resolution IPC. The specific model of IPC is: panoramic series camera with up to 32MP resolution, DS-2CD6944G0 and DS-2CD6984G0.
6. **【Support thermal camera temperature measurement alarm】**



- 1) Support local target detection interface and 4200 to display real time temperature measurement alarm.
 - 2) Support uploading pictures of visible light and thermal imaging to the platform software.
7. **【Support thermal cameral face temperature alarm】**
 - 1) Support local target detection interface and 4200 to display real time face temperature alarm, abnormal temperature display red background, normal temperature display green background.
 - 2) Support the voice announcement function of face temperature state linkage. NVR has two English pronunciations: abnormal temperature and normal temperature. Normal temperature is not linked by default, and abnormal temperature is linked by default.
 - 3) Support local and 4200 to search face pictures according to body temperature status and temperature range, and support to display search results in specified temperature units.

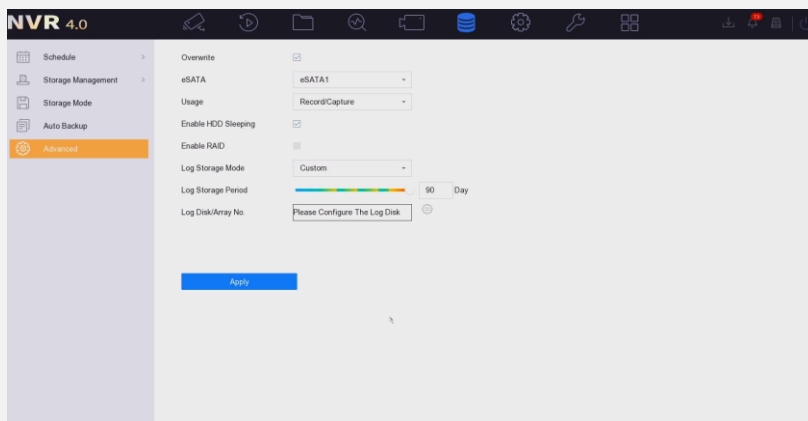


I Series NVR V4.40.015 build200616

8. 【Support IPv6 network】
Support IPv6 network.

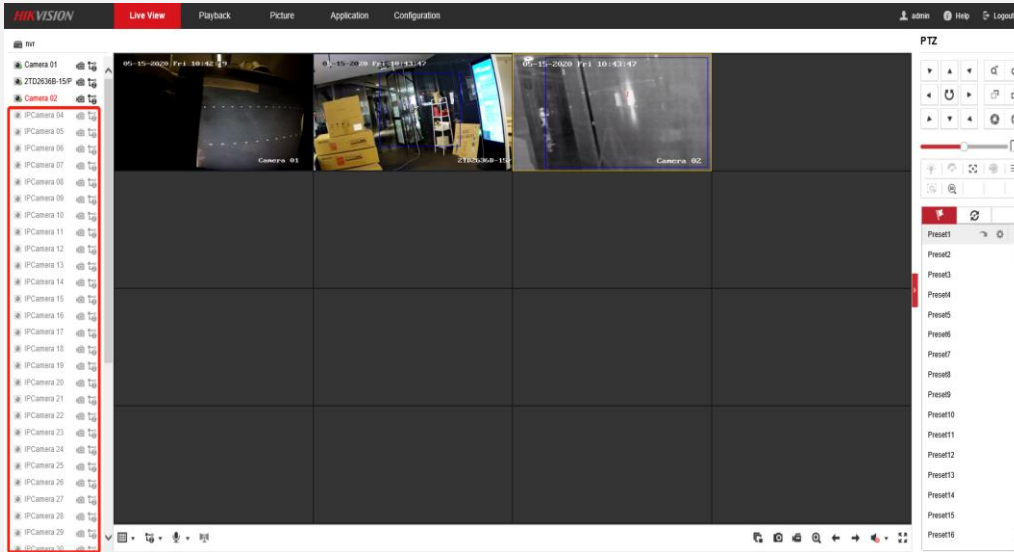
9. 【Increase log storage period】

- 1) Designate one HDD as the log HDD to store logs, and add log HDD configuration and management.
- 2) Support to configure log storage period from 1 to 90 days.
- 3) After the HDD is used as the log HDD, the abnormality of the HDD, the full HDD, and the absence of the HDD will trigger the abnormal alarm of the log HDD.

**Modified functions**

1. 【Optimization of bandwidth performance】
Improve the input / output bandwidth performance of the 96NI-I series to 320 / 256Mbps.
2. 【Optimization of search performance】
Optimize the search mechanism and shorten the search time. improve the efficiency of search video, smart search, event video, pictures, IOT and logs.
3. 【Optimization of WEB Live View interface】
The WEB Live view interface of the IE browser adds channels that are not online, which will show in gray.

I Series NVR V4.40.015 build200616



For more details please refer to the release note.

[Location](#)

You can find the firmware and release note on Portal:

<http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/02%20%20NVR/00%20%20Product%20Firmware/04%20I-series/%5B76%2077%2096%20NI-1%5D/V4.40.015%20build200616>

DS-2CE Series Partial Analog Camera

Reason of Change

Instruction and multi-language change

Description of Change

Change Before	Change After
Remove old multi-language instruction + product instruction/QSG	18-countries languages instruction

DS-2CD2,4,5,7 Series Most IP Camera

Reason of Change

Remove CD for oversea baseline product (except 6 Series) Add a dessicant in PE plastic bag.

Description of Change

Change Before	Change After
Product with CD content and material	Product without CD content and material

DS-2CE D8T PoC Series Analog Camera

Reason of Change

IR distance change of D8T POC model

Description of Change

Change Before	Change After
 <p>HIKVISION COLOR CAMERA Model: DS-2CE16D8T-IT3ZE 2.7-13.5mm 1080p/0.005 Lux @ F1.2,0 lux with IR 3D-DNR/WDR/IP67/OSD menu IR distance: 40m Motorized VF</p>	 <p>HIKVISION COLOR CAMERA Model: DS-2CE16D8T-IT3ZE 2.7-13.5mm 1080p/0.005 Lux @ F1.2,0 lux with IR 3D-DNR/WDR/IP67/OSD menu IR distance: 80m Motorized VF</p>

DS-2CD1,2 Series Most IP Camera

Reason of Change

Add app download QR code on the label of device package.

Add a dessicant in PE plastic bag.

Description of Change



Change Before	Change After
<p>Please refer to the appendix</p>	 <p>Comparison</p>

DF0T,DF3T,DF8T,DS-2CE17H0T,17D0T Series Analog Camera

Reason of Change

Add QR code and instruction change.

Description of Change

Change Before	Change After
<p>No QR code and instruction</p> 	<p>Add QR code and instruction</p> 



DS-2AE7XXXTI-A Series Analog PTZ and DS-2DE7AXXXMX(or MW)-AE,72XXIW-AE Series PTZ

Reason of Change

Some models of E-series products use unified EPE.

Add a dessicant in PE plastic bag.

Description of Change


Change Before	Change After
	

DS-2CE72DF0T-F, DS-2CE72DF3T-F Series Analog Camera

Reason of Change

Analog model change.

Description of Change

Change Before	Change After
<p>The bottom surface of the metal lower hemisphere has fins</p> 	<p>Remove the fins</p> 