

Network Video Recorder

Version: V3.4.80 build160718

Release Note

(2016-8-5)

Firmware Basic Information	Firmware Version:	V3.4.80 build160718
	SDK Version:	V5.2.3.15
	ONVIF Protocol:	ONVIF V2.5.0
	IVMS-4200:	V2.4.7.11 build20160715
	Web Component:	V3.0.6.6 build 160714

Reason of Upgrade

Add new function and fix bugs for better performances on E/K/I series NVR.

Firmware Upgrade

New Features

1. [IPC Access]

(1) Support access to Hikvision thermal cameras. Notice that user can't configure thermal events with NVR.

I series NVR can save thermal VCA pictures and upload VCA alarm message to IVMS software. Thermal VCA events include **Fire Detection, Ship Detection, Temperature Detection, Temperature Difference Detection.**

(2) Support access to Panasonic (SPV781LH) and Sony (SNC-VM772) 4K IP cameras.

2. [Multi-language]

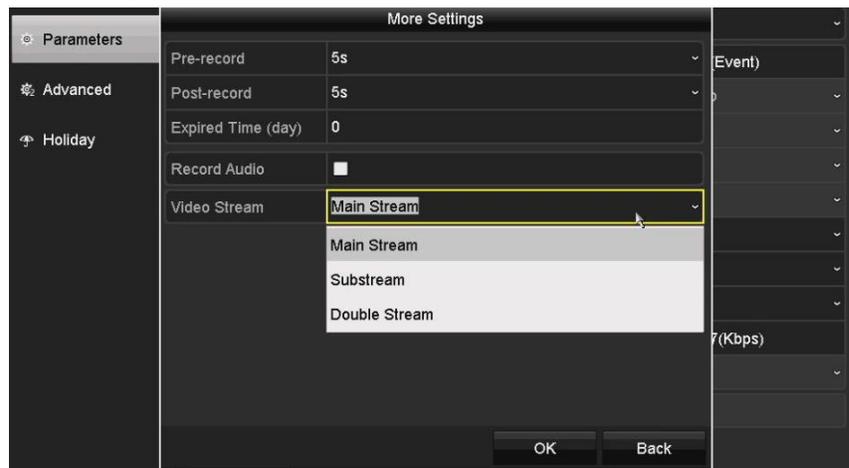
I and K series NVR support two new languages in GUI and two languages in webpage. GUI: Uzbek, Kazak. Webpage: Lithuanian, Latvian.

3. [Dual-VCA]

User can enable or disable IP camera's dual-VCA function in NVR's webpage.

4. [Double Stream Record]

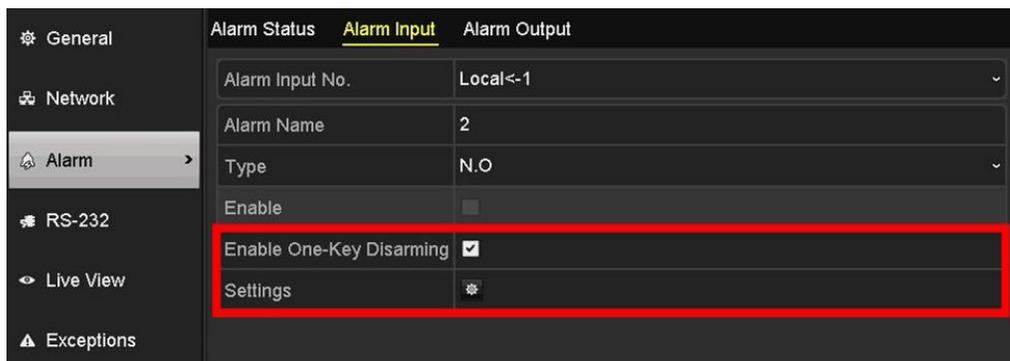
I series NVR supports double stream record, user can configure video stream type in **Record-Parameters-More Settings**. Please notice we don't recommend users to use this function in DS-7608NI-Ix/xP.



5. [One-Key Disarming]

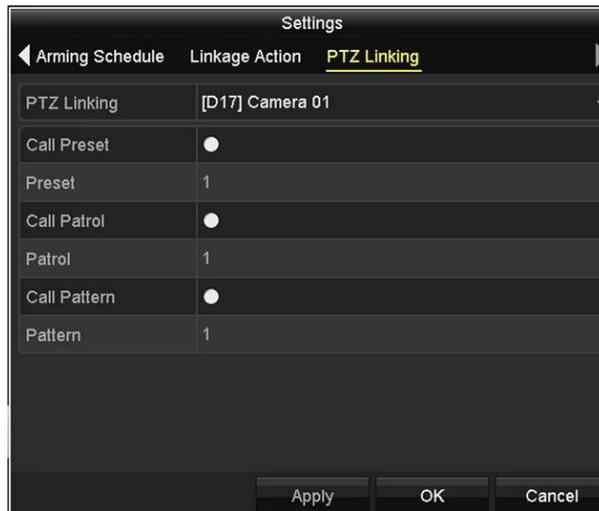
Support one-key disarming. User can disable the arming schedule of whole device, **selected linkage action will be disabled**.

Please notice that NO 1 alarm input will be invalid if user enable one-key disarming.



6. [PTZ linkage]

VCA events can trigger PTZ linkage, linkage actions include **Call Preset**, **Call patrol**, **Call Pattern**. Motion detection and Vehicle detection doesn't support this function.

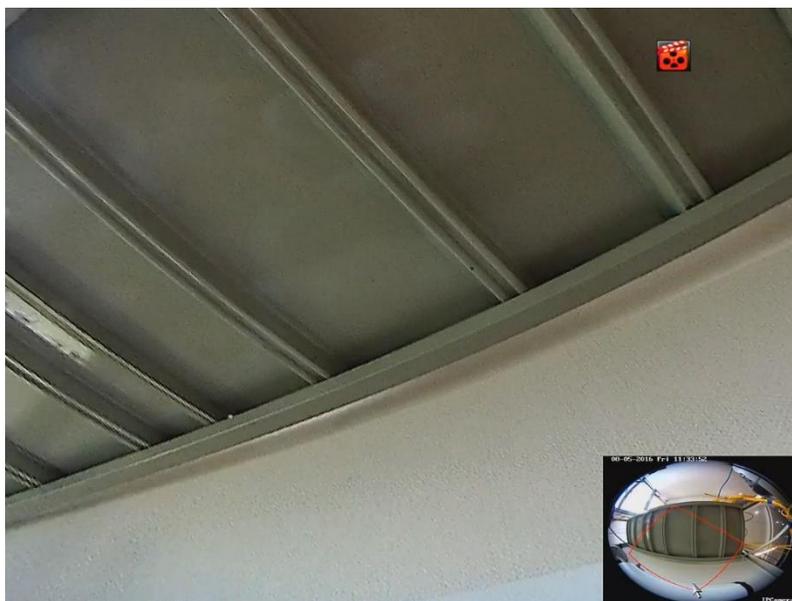


7. [PPPOE]

I and K series NVR support PPPOE function. E series doesn't support due to RAM limit.

8. [Fisheye Expansion]

- (1) Optimize PTZ expansion area, user can click the control area and expand a specific area;
- (2) Support wall mount mode.



9. [Export]

Support exporting video in AVI format, supported audio encoding format: G711U/G711A/AAC.

10. [DNS]

IP address DHCP and DNS DHCP can be configured separately.

Enable DHCP	<input checked="" type="checkbox"/>		
IPv4 Address	. . .	IPv6 Address	fe80::c62f:90ff:fea1:be4/64
IPv4 Subnet	. . .	IPv6 Address	
IPv4 Default	. . .	IPv6 Default	
MAC Address	c4:2f:90:a1:0b:e4		
MTU(Bytes)	1500		
Enable DNS DHCP	<input checked="" type="checkbox"/>		
Preferred DNS Server			
Alternate DNS Server			

11. [SSH]

SSH access will be closed if there's no connection during 24 hours or user inputs wrong password for 3 times.

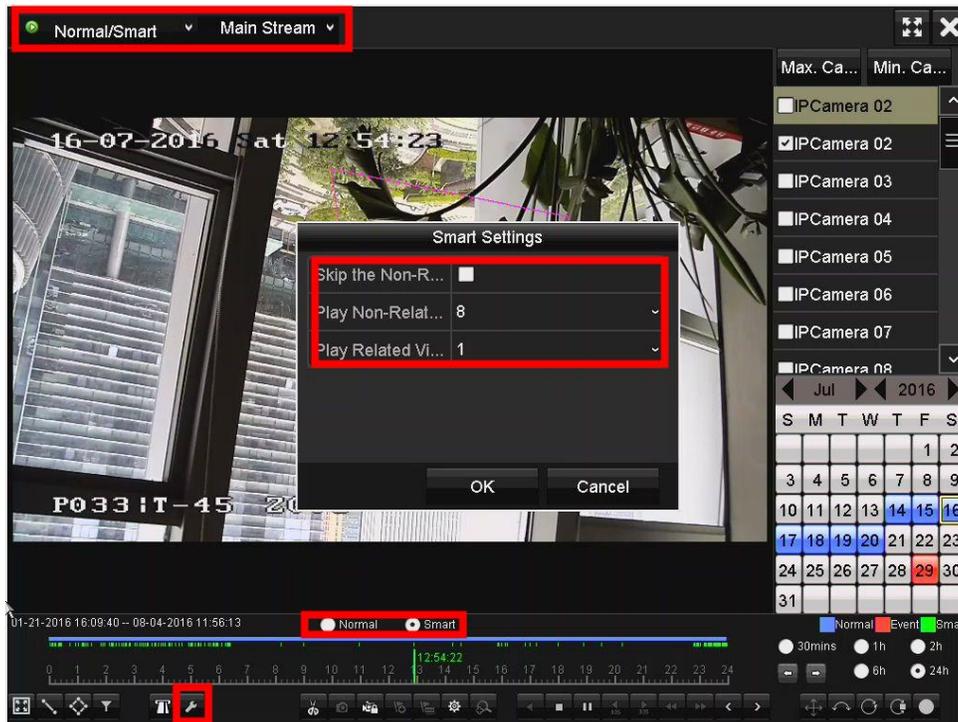
Support 5 users' access in the same time.

12. [Live View]

I series NVR will switch to sub stream for live view if single channel's resolution is larger than 8MP in 2*2, 1+5, 1+7 split-screen.

13. [Playback]

- (1) User can switch playback mode between Normal mode and Smart mode;
- (2) User can set the playback speed of normal videos and smart videos in smart playback mode;
- (3) I series NVR supports sub stream playback.



14. [Email]

- (1) Optimize NVR's LPR email system;
- (2) User can test email in webpage.

15. [CVBS]

I series NVR supports optional CVBS port.

- (1) Zero channel is bound to CVBS port;
- (2) CVBS port only outputs aux signal, 8-ch NVR supports up to 9 split-screen, 16-ch NVR supports up to 16 split-screen;
- (3) NVR's decoding capacity will decrease by 3-ch 1080P if adds CVBS port.

16. [DDNS]

The whole DDNS address (url) will be shown after user registers device on DDNS server.

17. [36 split-screen]

32-ch I/K series NVR supports 36 split-screen.

18. [HIK-Connect]

Supports uploading Intrusion and Line Crossing alarm to HIK-Connect platform.

Optimization

1. [Live view]

Optimize NVR's CPU resource in 32 split-screen mode, CPU usage rate is decreased by 5%.

2. [ANR]

Fix the issue that ANR might fail if NVR's network card uses multi-address mode.

3. [USB flash disk]

Fix the issue that NVR might freeze when user uses NTFS format USB flash disk to export videos.

4. [Record]

Optimize E series NVR's recording stability when switching to next packet.

Notice

We don't recommend users to upgrade DS-7608NI-I2 and DS-7608NI-I2/8P to V3.4.80 due to RAM limit.

Supported Product List			
I series NVR	DS-7616NI-I2	DS-7616NI-I2/16P	
	DS-77xxNI-I4	DS-77xxNI-I4/16P	
	DS-9632/64NI-I8	DS-9632/64NI-I16	
K series NVR	DS-7604NI-K1/4P	DS-76xxNI-K2	
	DS-76xxNI-K2/xP	DS-77xxNI-K4	
	DS-77xxNI-K4/16P		
E series NVR	DS-76xxNI-E1	DS-76xxNI-E1/xP	DS-76xxNI-E1/xN
	DS-76xxNI-E2	DS-76xxNI-E2/xP	DS-76xxNI-E2/xN
	DS-77xxNI-E4	DS-77xxNI-E4/xP	

Customer Impact and Recommended Action

This new firmware upgrade is to improve product performance, and will take effect automatically after upgrading from previous versions. We'd like to inform you the above changes. Also, we are sorry for any possible inconvenience of use-habit changes caused by this action.

For questions or concerns, please contact our local technical support team.

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