Network Video Recorder
Version: V3.4.96 build170921
Release Note
(2017-10-16)

Firmware Basic Information	Firmware Version:	V3.4.96 build170921
	SDK Version:	V5.3.1.25
	ONVIF Protocol:	ONVIF V2.5.0
	IVMS-4200:	v2.5.14.4build20170908
	Web Component:	V3.0.6.27build170908 (I/K series) V3.0.6.27build170814 (E series)

Reason of Upgrade
Add and optimize functions for better performances on E/K/I series NVR.

Firmware Upgrade
New Features
1. **[System Service]**
    (1) Delete PSIA server/client protocol;
    (2) User can disable/enable RTSP protocol (only valid for server mode when client receives stream from NVR) and choose RTSP authentication type between digest and digest &basic;
    (3) User can disable/enable ISAPI protocol;
    (4) User can disable/enable HTTP protocol and choose HTTP authentication type between digest and digest &basic;

(5) User can disable/enable SADP protocol;
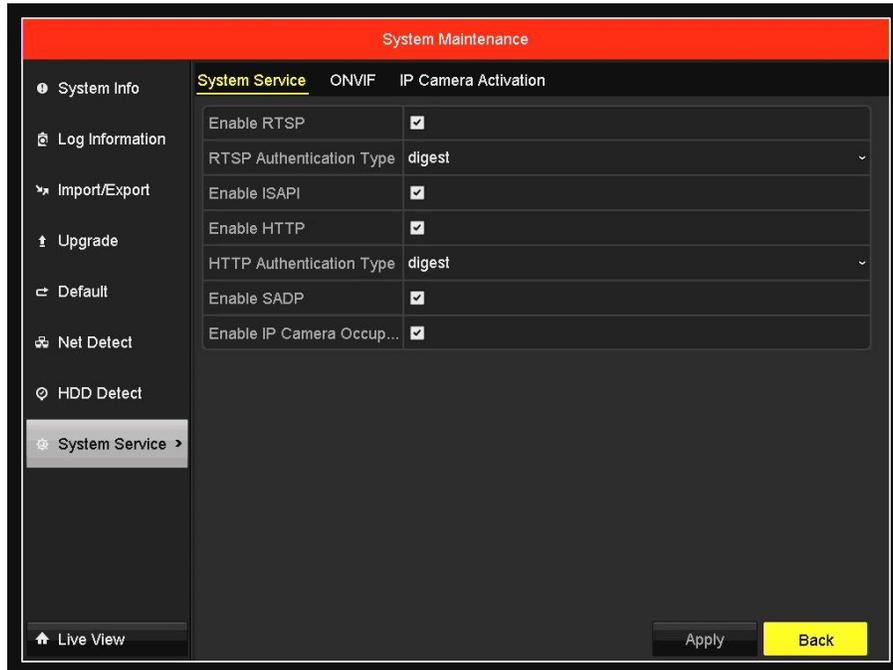
(6) User can disable/enable IP camera occupation detection, when this function is enabled, NVR will detect whether IP camera is already connected to other device/client.

(7) NVR's device parameters will be encrypted by user's custom encrypt key, encrypt key is required when user imports it;
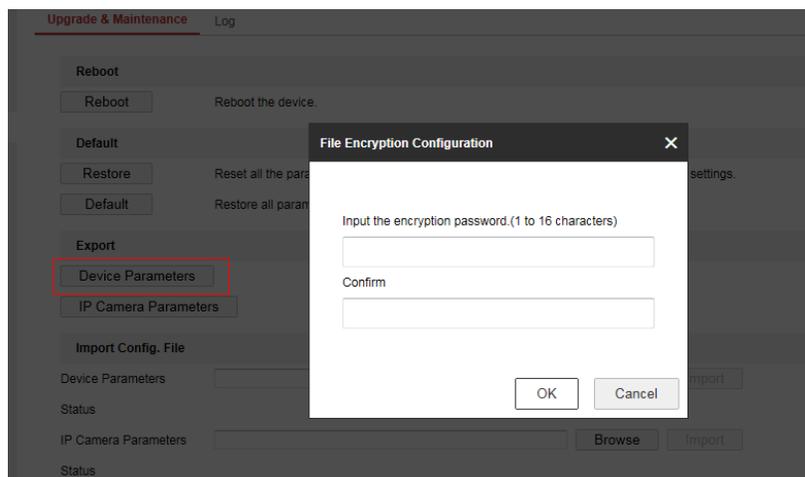
(8) Exported IP camera parameters no longer contain IP camera password;

(9) Hik-Connect stream encryption function is opened by default.

2. **[ONVIF]**

User can disable/enable ONVIF protocol, create independent account for ONVIF server service.
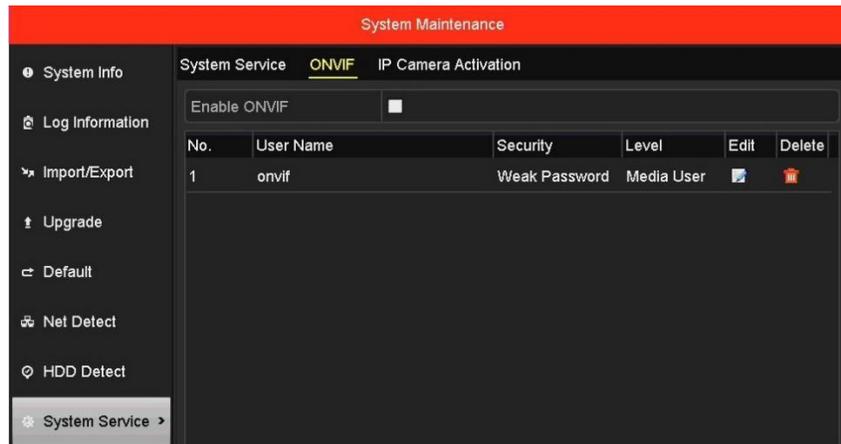
3. **[IP Camera Activation]**

In previous version, NVR uses admin password to activate IP camera. From this new version, users can set IP camera activation password independently which is not required to be same with admin password.
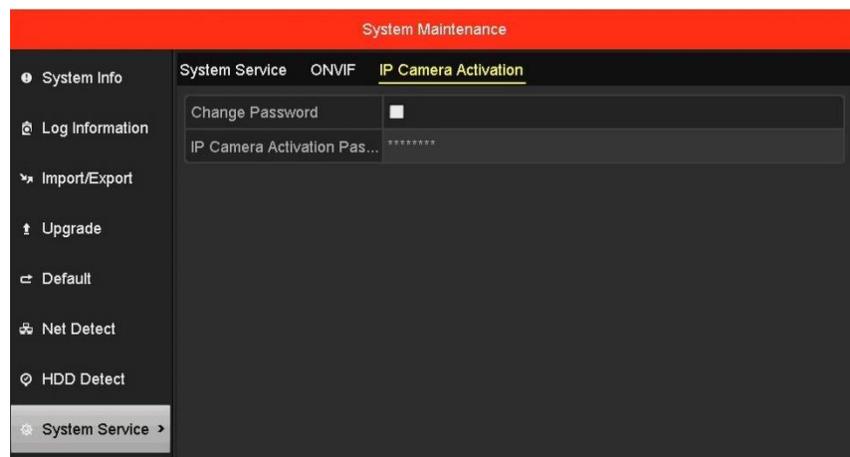
4. [**3D PTZ**]

K/E series NVR support control 3D PTZ function in live view menu (only I series NVR supports this function in previous version).
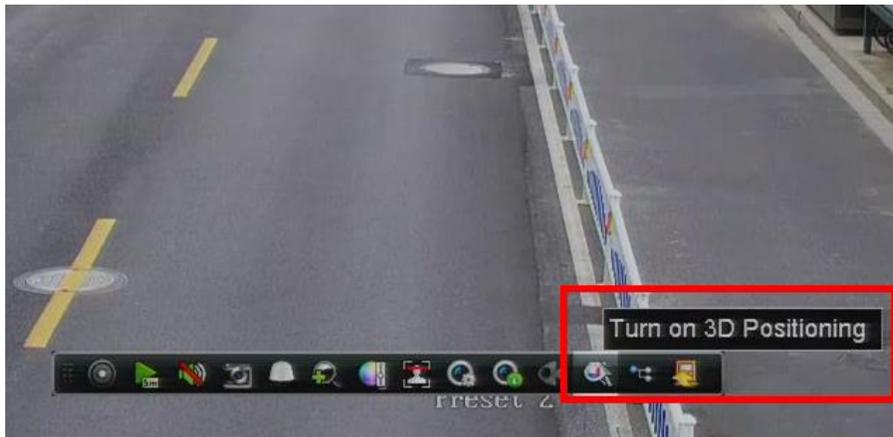
Optimization

1. **[Hik-Connect]**

Reduce time to respond stream request from Hik-Connect server, user will get live view more quickly on Hik-Connect app.

Supported Product List			
I series NVR	DS-76xxNI-I2 DS-77xxNI-I4/xP	DS-76xxNI-I2/xP DS-96xxNI-I8	DS-77xxNI-I4 DS-96xxNI-I16
K series NVR	DS-76xxNI-K1 DS-76xxNI-K2/xP	DS-76xxNI-K1/P DS-77xxNI-K4	DS-76xxNI-K2 DS-77xxNI-K4/xP
E series NVR	DS-76xxNI-E1 DS-76xxNI-E2 DS-77xxNI-E4	DS-76xxNI-E1/xP DS-76xxNI-E2/xP DS-77xxNI-E4/xP	DS-76xxNI-E1/xN DS-76xxNI-E2/xN

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.