

**Network Video Recorder**  
**Version: V4.1.70 build181114**  
**Release Note**  
**(2018-12-21 External)**

<b>Firmware</b>  <b>Basic Information</b>	Firmware Version:	V4.1.70
	SDK Version:	V5.3.6.41
	Play Library (PlayCtrl.dll)	7.3.3.67
	Web component:	V4.0.11build181112
	IVMS-4200:	V2.6.11.7 build20181112
	OpenSDK Version:	V1.5.55 build 180925

**Reason of Upgrade:**

Add new requirements and optimize product performance.

**Modification functions:**

**1. 【The password can't contain user name】**

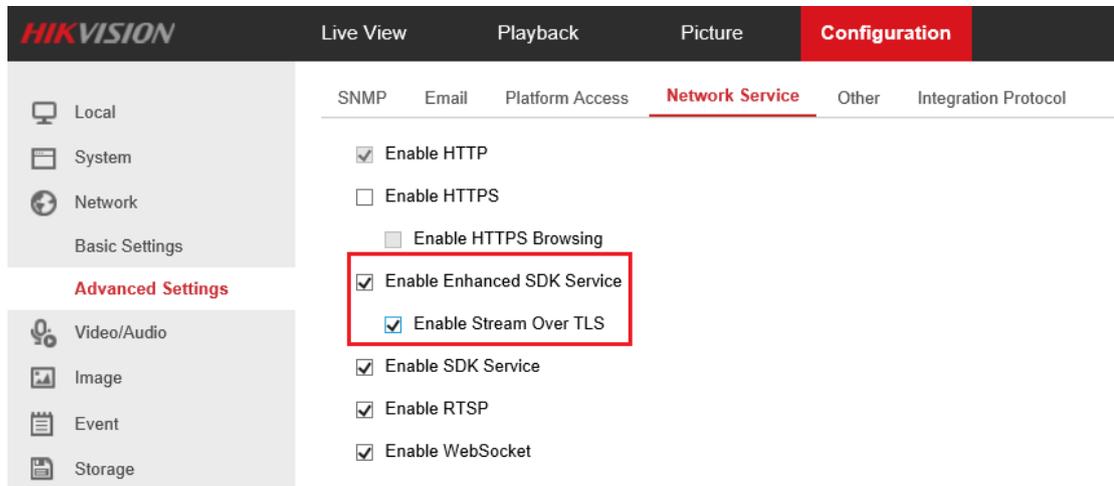
- 1.1 In order to increase the complexity of the device password, the device password cannot contain the user name.
- 1.2 IP camera activation password can't contain admin.
- 1.3 When upgrading old version to V4.1.70, it will give hints if it is failed to active camera because NVR' channel default password contains admin

**2. 【TLS full link encryption】**

- 2.1 Stream encryption adopts TLS full link encryption;

2.2 The outgoing bandwidth of TLS full link encryption is up to 128Mbps;

2.3 If the NVR is enable RAID function, the outgoing bandwidth of TLS full link encryption is limited to 64Mbps.



### 3. 【Reset password】

3.1 Users can reset password by scanning QR code in local GUI of NVR with Hik-connect.

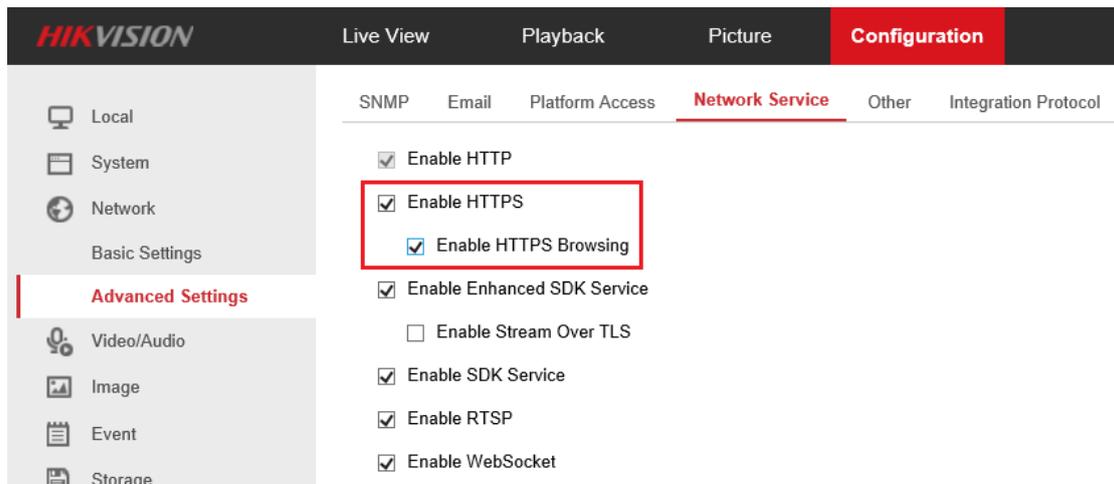
3.2 Users can should keep the cellphone and NVR in the same LAN.



### 4. 【Https servers】

4.1 Https protocol is enable by default;

## 4.2 Support skipping HTTP services to HTTPS services automatically.



## 5. 【Integrate HikSSL Library】

I series NVR integrates FIPS-certified HikSSL Libraries.

### **Related product list:**

I series NVR	DS-9600NI-I16, DS-9600NI-I8 DS-7700NI-I4(/P), DS-7600NI-I2(/P) DS-7700NI-I4(B)(/P), DS-7732NI-I4/24P
K series NVR	DS-8600NI-K8, DS-7700NI-K4(/P), DS-7600NI-K2(/P)

### **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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