

NVR V3.4.0 Release Notes

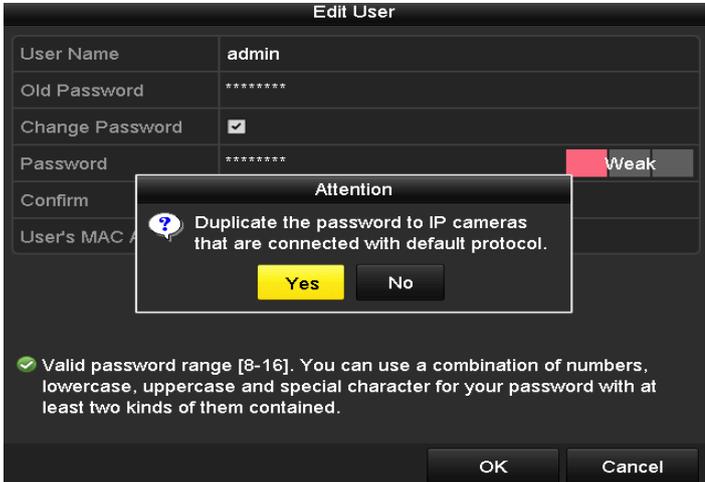


Reference NO:	20151104_01
Product Classification:	G series Mini NVR, 22 inch LCD NVR, -E series NVR and -ST/SP/RT/XT series NVR
Date of Publication:	October 20, 2015
Date of Change:	October 20, 2015

Reason of Upgrade

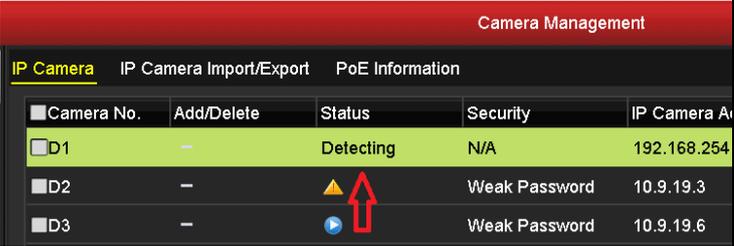
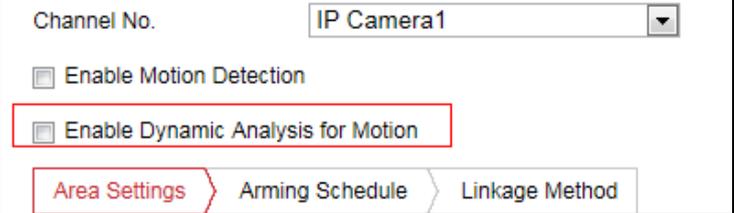
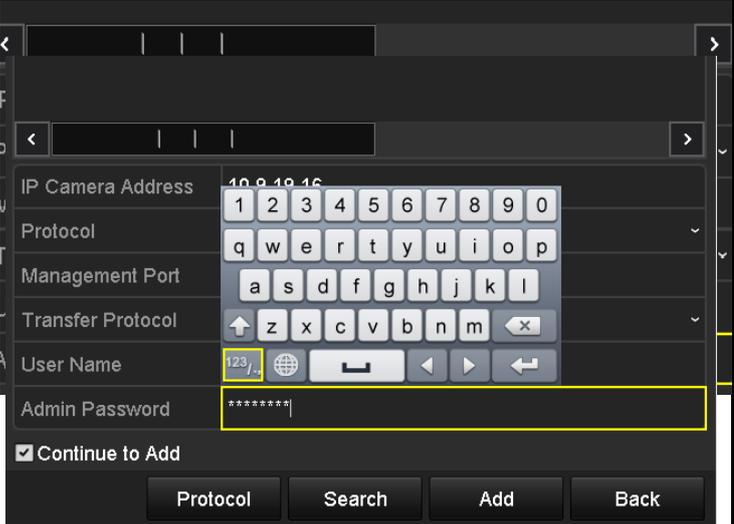
Add new functions and fix bugs for better performances on G series Mini NVR, 22 inch LCD NVR, -E series NVR and -ST/SP/RT/XT series NVR.

Firmware version*	V3.4.0 build 150929
Special version	None
Products	<p>76/77/86 E series: DS-76xxN(I)-E1、DS-76xxN(I)-E1/xP、DS-76xxN(I)-E1/xN DS-76xxN(I)-E2、DS-76xxN(I)-E2/xP、DS-76xxN(I)-E2/xN DS-77xxN(I)-E4、DS-77xxN(I)-E4/xP DS-86xxN(I)-E8</p> <p>LCD NVR: DS-7600N(I)-E1/A (With & Without HDD)</p> <p>7600 G series: DS-7608N-G2/4P</p>

	DS-7608N-G2/4P DS-7608NI-G2/4P DS-7608NI-G2/4P DS-7608N-G2/4P/500G DS-7608N-G2/4P/500G 7600/8600/9600 ST series: DS-96xxN(I)-ST、DS-96xxN(I)-XT、DS-96xxN(I)-RT DS-86xxN(I)-ST、DS-86xxN(I)-XT DS-76xxN(I)-ST、DS-76xxN(I)-SP DS-77xxN(I)-ST、DS-77xxN(I)-SP		
Associated module version	SYS -1	Web	Web: V4.0.1 build 150921 Plugin: V3.0.5.43
	SYS -2	SDK	V5.1.3.16_build20150826
	SYS -3	client	v2.3.4.11 build20150918
	SYS -4	SADP Tool	2.2.3.12
	SYS -5	Debug Tool	1.0.0.1
network protocol	ONVIF 2.5.0		
New function	NEW_1	Product	Upgrade to V3.4.0 including G series Mini NVR, 22 inch LCD NVR, -E series NVR and -ST/SP/RT/XT series NVR.
	NEW_2	IP channel password management	Support the function of IP channel's password synchronization that NVR will synchronize admin's password to HIKVISION IP cameras connecting with NVR  <p>Valid password range [8-16]. You can use a combination of numbers, lowercase, uppercase and special character for your password with at least two kinds of them contained.</p>

			when the admin's password is modified by user. (Except EZVIZ cameras)
	NEW_3	Support H265 decoding format	Support H.265 decoding format, including stream receive, storage, remote viewing and remote playback, but doesn't support local viewing, digital zoom, local playback, PTZ live view.
	NEW_4	36 split screen	Support 36 split screen (only for E series)
	NEW_6	Password reset optimization	Increase the length of device code to guarantee the security of password reset. Supports exporting the xml file by scanning the QR code on SADP Tool.
	NEW_7	IVMS-4500 smart notification	support uploading smart event notification to IVMS-4500
	NEW_8	Ezviz	<ol style="list-style-type: none"> 1、 Support PTZ control 2、 Add offline log
	NEW_9	Reliable transmission	<ol style="list-style-type: none"> 1、 Add SDK HRUDP protocol for remote view to support reliable transmission based on UDP 2、 Support bitrate and bandwidth self-adaption for the network environment with high bandwidth fluctuates to guarantee the fluency of live view. (This function may modify the bitrate of IPC)
	NEW_10	Optimize ONVIF protocol compatibility of function	<ol style="list-style-type: none"> 1、 NVR can get stream from IPC with ONVIF even if NVR fails to get the compression parameters of IPC, NVR uses the default compression parameters instead. 2、 Increase the compatibility of ONVIF protocol. 3、 NVR can get the language of IPC accessed through ONVIF. Only HIKVISION products support this function. 4、 Optimize preset point function to guarantee the order of preset point is correct. 5、 Support windshield wiper and light control with

		ONVIF.
NEW_11	NVR SDK module	Add transparent transmission SDK interface that NVR can transmit configuration parameters to IPC transparently.
NEW_12	SDK passenger flows and heat map data real-time uploading	After 5200 software accesses NVR and arms, NVR will upload real-time passenger flows and heat map data to 5200 to display
NEW_13	SDK overtime is configurable	SDK overtime is configurable
NEW_14	ISAPI alarm notification	NVR doesn't support "/ISAPI/event/notification/alertStream" function in older version when third-party device is integrated , new version enables "/ISAPI/event/notification/alertStream", users could receive event notification.(only effective for third party IPC)
NEW_15	Security	<ol style="list-style-type: none"> 1、 Exported configuration files encryption 2、 User name and password encrypted before saving in configuration files 3、 Encrypt SDK's sensitive information channel
NEW_16	New serial port command	Add a new serial port command to show the resolution which device supports (showDevCapa)
NEW_17	Debug commands of system level	<p>Develop a new serial port command debugging system</p> <p>The new format of command: dt+ (space) command</p> <p>Former command such as getIp, could be input in 2 ways : dt getIp or getIp</p>
NEW_18	System crash log	System crash information could be recorded in system log.(just for Netra NVR)
NEW_19	Remote Debugging	Add Remote Debugging Service(Debug Tool)

		Service	
Modify	CHG_1	IP channel management	<p>1、 When IPC is plugged to PoE interface, the state shown in NVR is detecting.</p>  <p>2、 When the IPC language is unmatched with NVR, the state of IP channel will be language unmatched instead of a hint.</p>
	CHG_2	IPC Access	Optimize the event arming mechanism to fix the issue that NVR doesn't receive any event alarm if one of events configuration fails.
	CHG_3	Motion detection	<p>Limit the configuration of motion detection sensitivity, the sensitivity can't be adjusted to 0. Add a new option:</p>  <p>Enable dynamic analysis.</p>
	CHG_4	GUI	<p>Optimize caps-lock on soft keyboard</p> 

	CHG_5	User lock	Optimize User lock : 1、 The login failure attempts number could be restored if the time between two failure attempts is longer than failure attempt number restoring time. 2、 User's login attempts will not affect the lock time left.
	CHG_6	VCA attached file	Netra NVR could attach file to Email triggered by VCA event
	CHG_7	IPC access	Support electric LENS (zoom, variable focal)
BUG solved	BUG_1		Video expiration time can't be configured in V 3.3.4
	BUG_2		G series MINI NVR isn't compatible with Kingston 960G SSD
	BUG_3		No output in SPOT ports of Netra XT devices

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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