Turbo HD DVR V3.4.0 Release Notes

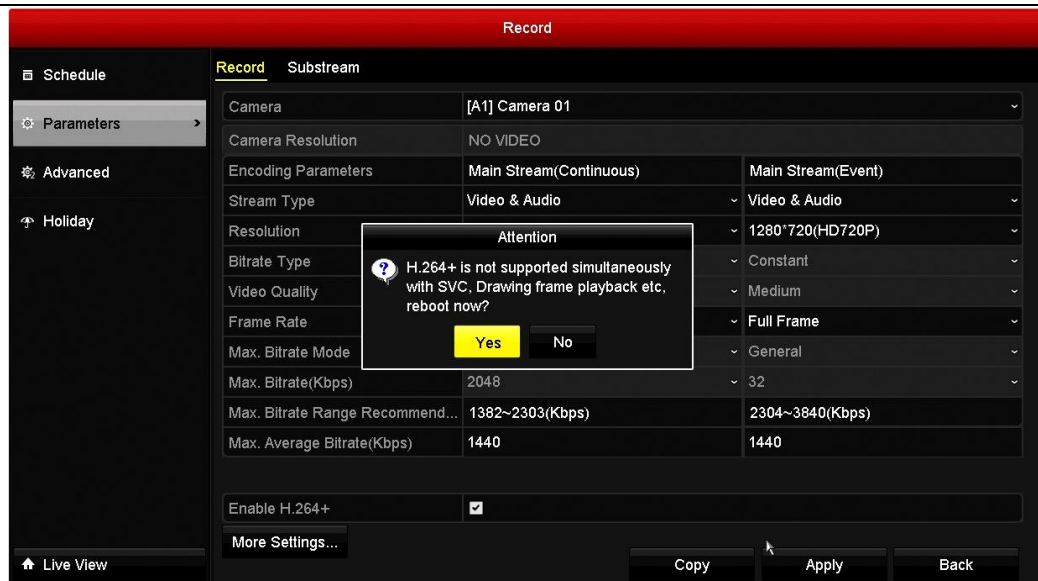|	
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Reason of Upgrade

This version is mainly released for HIKVISION new series HQHI-Fx/N, which support new technology Turbo HD3.0; it will give customer different new experience with our product, more convenient, more efficient and good performance.
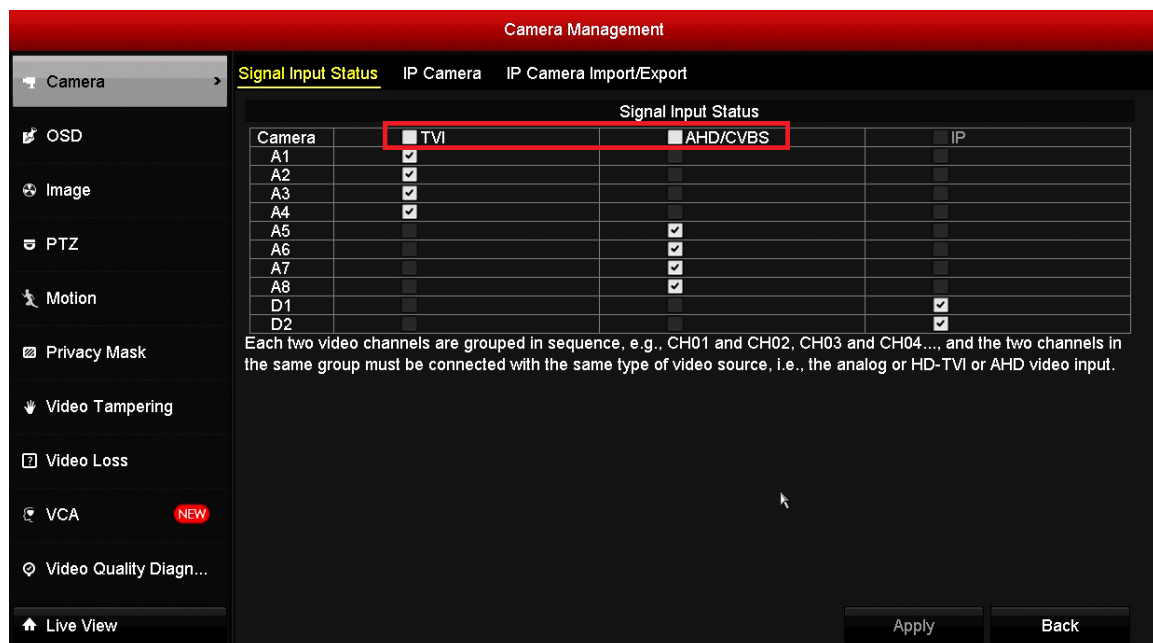
Firmware Updates
New Features

i. Newly introduce **H.264 +** technology into Hikvision Turbo HD DVRs. Therefore, the encoding efficiency has been highly improved, storage cost and remote live view bandwidth will be saved as well.

a. For analog channels, H.264/H.264+ encoding types are available according to customers' demands.

b. For IP channels, it supports Hikvision IPCs which support H.264+ (DS-2x22, 2x42 series) access. H.264+ also can be enabled on DVR local menu (IPC will reboot then) if it is not enabled on IPC side.

Note: H.264+ is conflicted with SVC, Drawing frame playback and Reverse Playback. Players and web components are recommended to be upgrade to the latest versions.
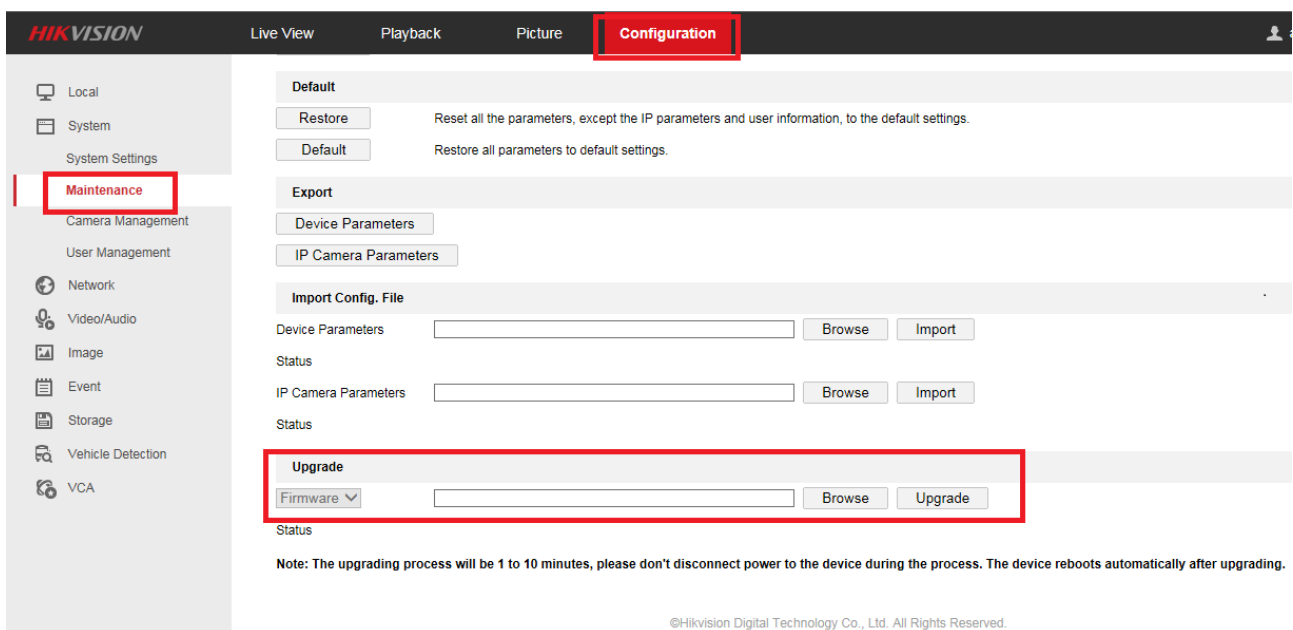
ii.   **Video Input Restriction:** the two conjoint video channels are grouped in a sequence (CH01&CH02, CH03&CH04…) and must access same type of video signal, TVI or AHD/CVBS. Customers may manually configure **Video Signal Input** types for those analog channels through Wizard when device starts or on **Camera Managemen**t interface: *Control Panel->Camera->Signal Input Status*.


iii.   Newly support serial port command **dt showDevCapa** that shows the ability of resolution which DVR support.

iv.   **Password Synchronization:** When changing the admin's password, the password of IPC that was connected to DVR by HIKVISION protocol will be changed to the same one. Except for EZVIZ IPC.
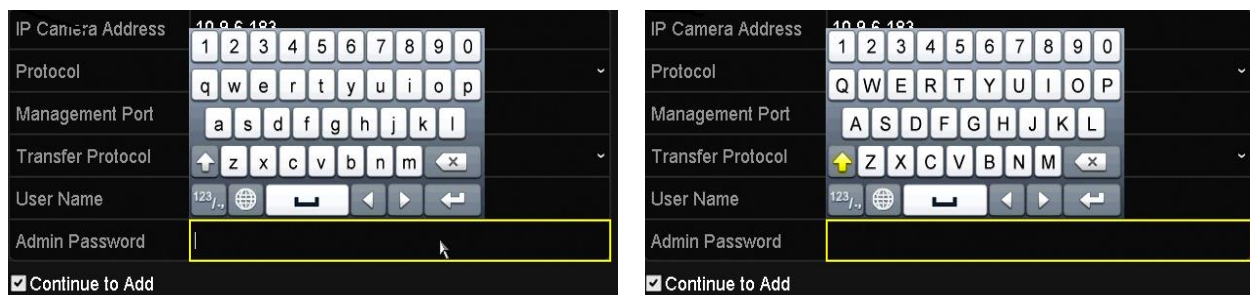
v. Newly support ISAPI alarm notification for 3rd party integration: **/ISAPI/event/notification/alertStream**.

vi. **Upgrade TVI Camera Remotely:** Newly support function of remote upgrading TVI camera that is connected to the DVR.

    a) Firmware needed: In order to update the TVI cameras through SDK/client/ web component, customers need the special firmware provided by support engineers that contains the information of certain channel which the TVI cameras connect to.

    b) How to: When updating through the web component, the firmware is input into the same location of DVR's firmware. Our system will judge out firmware is for DVR itself or for the TVI camera and then update automatically. Operation is the same with the SDK or client.

vii.   Newly support getting information about DVR running status through LAN network or remotely by debug tool. This is more convenient than the previous way by using serial port to get information.

Note: This debug tool is supported base on this version or above and series –F/N, not supported by other series.

viii.   Modify the default IP of device to 192.168.1.64 which used to be 192.0.0.64.

ix.   Newly support some resolutions of IPC. (960*720,704*1056, 352*528,960*1080, 640*720,640*960, 320*480,704*320,480*768,768*480,320*512,512*320).

x.   Optimize some functions of accessing IPC that is connected to DVR by ONVIF protocol.

   a)   It will continue to get the video stream from IPC that is connected to DVR by ONVIF protocol when failing acquiring the compression parameter. The compression parameter will be changed as default while failing getting the original one of IPC.

   b)   If the IPC is connected to the DVR by ONVIF protocol, the DVR can get the language of IPC. Therefore if the language of ONVIF IPC mismatch with the DVR, the IPC can't be connected to the DVR. This feature can be only supported by HIKVISION IPC.

   c)   Solve the issue that it will get the mismatched preset probably when accessing the PTZ function of ONVIF IPC.

xi.   Optimize the GUI of soft keyboard which distinguish the upper case from lower case. In the previous version, it was all upper case.   Just by one left-clicking the ![Z key icon],   it will switch the letter case.

xii.   Change the Character string "Advance Set" to "Advanced Settings" in the **Record->Advanced.**

xiii.   In this version, there will be two modes of encoding: 1080P Lite and non 1080P Lite: support different resolutions. More details in the following chart.

Mode camera		1080P Lite	Non 1080P Lite
1080P	Main stream	1080P lite,720p lite, WD1, 4CIF, VGA,CIF,	1080P(non real-time), 720P(non real-time) , WD1, 4CIF, VGA,CIF,
	Sub-stream	WD1(12frams),4CIF(12frams), CIF,QVGA,QCIF	WD1(12frams),4CIF(12frams), CIF,QVGA,QCIF
720P	Main stream	720p,WD1,4CIF, VGA,CIF,	720p,WD1,4CIF, VGA,CIF,
	Sub-stream	WD1(12frams),4CIF(12frams), CIF,QVGA,QCIF	WD1(12frams),4CIF(12frams), CIF,QVGA,QCIF

Related product list:

-F/N Series Turbo HD DVR	DS-7104HQHI-F1/N
	DS-7204HQHI-F1/N
	DS-7108HQHI-F1/N
	DS-7208HQHI-F1/N
	DS-7208HQHI-F2/N

Firmware version

v3.4.0 build151201

Related module version

Player library	6.5.1.6
player	4.8mini
Web version	V4.0.1 Build151123
Client version	V2.03.05.03 build20151124
SDK version	v5.1.5.5(20151111)

Customer Impact and Recommended Action

This new firmware is mainly for NEW product –F/N series, and will give you new good experience about

using this product. 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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