Turbo HD DVR V3.4.1 Release Notes

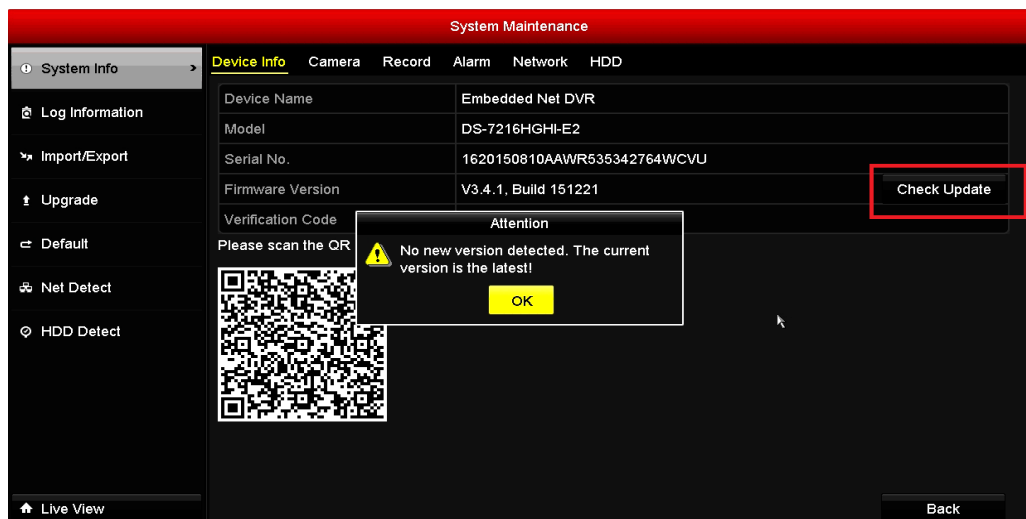| Reference NO:	PR20151222_02
Product Classification:	Turbo HD DVR
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Reason of Upgrade

Newly add some new functions and fix some bugs existing on previous firmware versions, so as to improve the performance of HGHI-E & HGHI-F Series DVRs and make the products more convenient and efficient.

Firmware Updates
New Features

i.   Newly support upgrading DVR firmware version by EZVIZ cloud. When enable EZVIZ function of DVR, there will appear an icon of "Check Update" on the GUI *Maintenance->System Info->Device Info.* DVR will check new firmware on the EZVIZ cloud automatically every day and upgrade once detecting the new firmware. Customer can also upgrade manually by click the "Check Update".

Note: This function is not supported for the time being, cause new firmware is not uploaded to the EZVIZ cloud.

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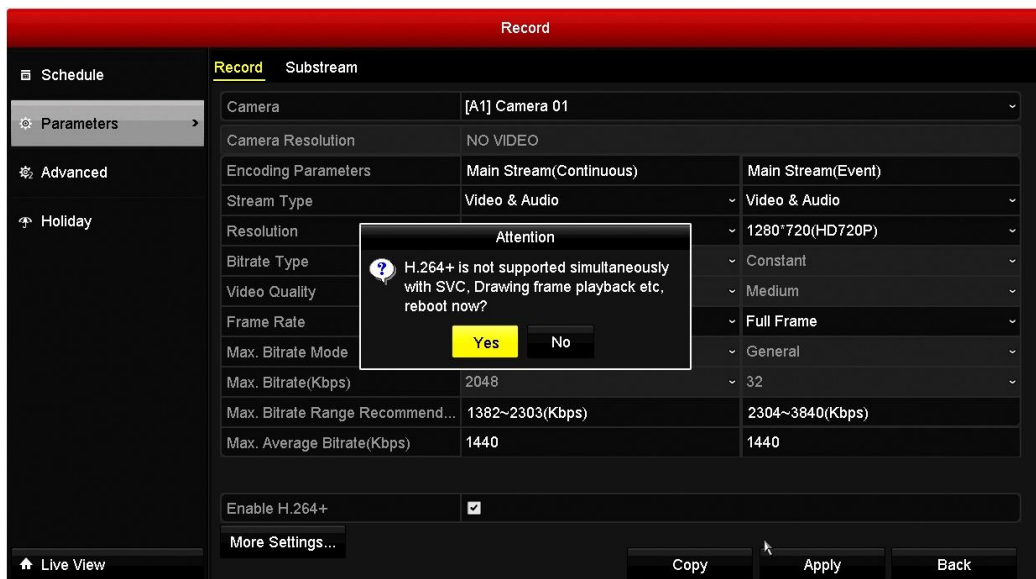
   a.   For analog channels, H.264/H.264+ encoding types are available according to customers' demands.

   b.   For IP channels, it supports Hikvision IPCs which support H.264+ (DS-2x22, 2x42 series) access. H.264+ can also be enabled on DVR local menu (IPC will reboot then) if it is not enabled on IPC side.
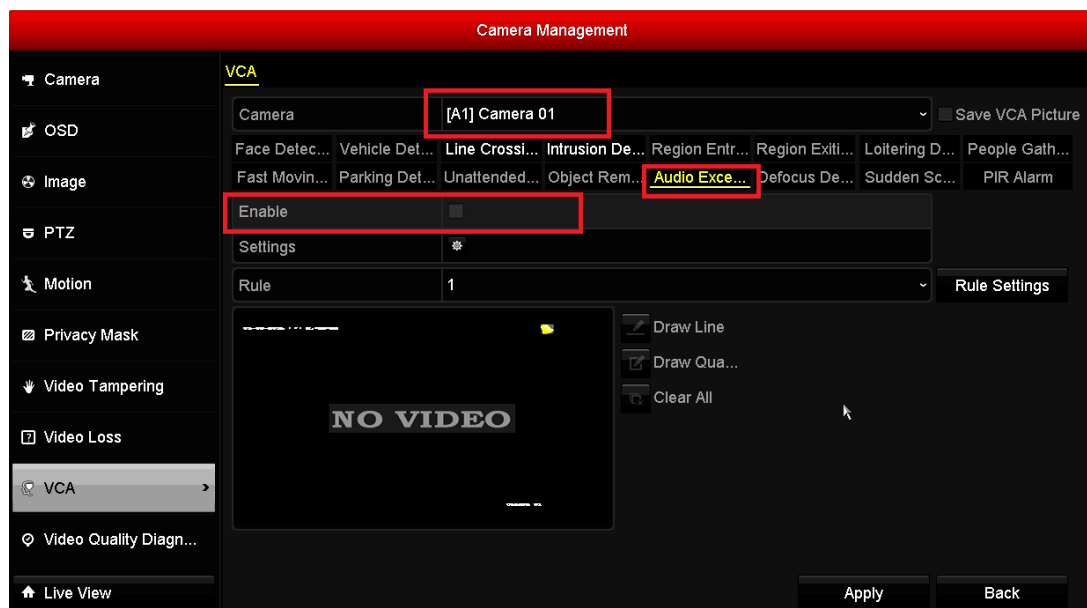
Note: 1.H.264+ is conflicted with SVC, Drawing frame playback and Reverse Playback. Players and web components are recommended to be upgrade to the latest versions.

2. For this version, only **HGHI-F** Series support this feature.

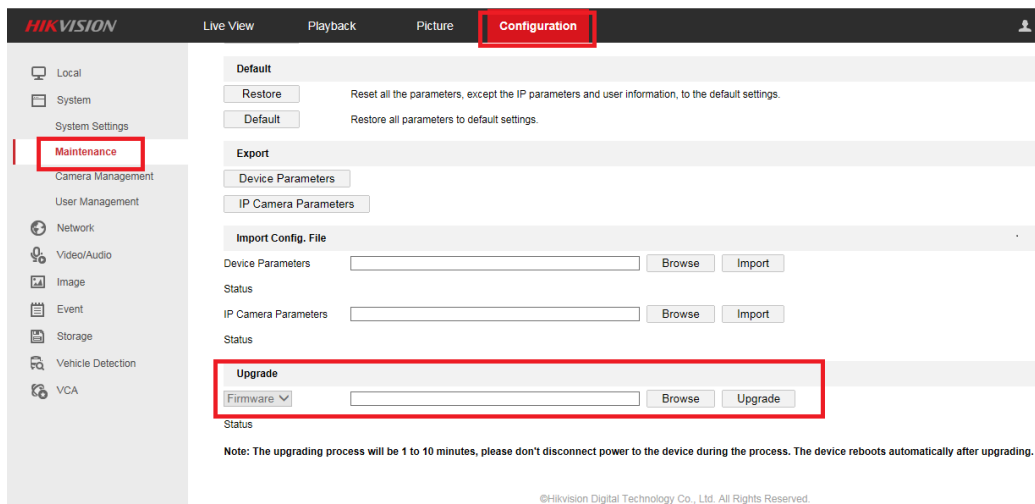iii.   Newly support VCA type **Audio Exception Detection** for first analog channel of 7200 HGHI–E or –F series.

   Customers can configure the **Settings** and **Rule Settings**.

Note: 1. This feature is only supported for first channel.

2. The "**Enable**" is grey for this feature is supported by default.

3. In the **Rule Settings,** the lower value of **Sensitivity** is, the audio exception will be detected more easily.

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

a)   Firmware needed: In order to upgrade 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.

Bugs Fixed

i. Fix the issue that it may fail to use PTZ function when accessing analog doom under low baud rates such as 2400Bd/s.

ii. Fix the bug that it may reboot under the following operations:

    1. Disable the analog channel to use IP channel.

    2. Delete the IPC.

    3. Enable the analog channel

iii. Fix the bug that it may restore all parameters to default settings when reboot by local GUI.

Related product list:

-E(F) Series Turbo HD DVR	DS-7104HGHI-E1, DS-7108HGHI-E1,DS-7116HGHI-E1, DS-7204HGHI-E1, DS-7208HGHI-E1,DS-7216HGHI-E1, DS-7208HGHI-E2, DS-7216HGHI-E2 DS-7104HGHI-F1,DS-7108HGHI-F1,DS-7116HGHI-F1, DS-7204HGHI-F1,DS-7208HGHI-F1,DS-7216HGHI-F1, DS-7208HGHI-F2, DS-7216HGHI-F2

Firmware version

v3.4.1 build151221

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 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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