TECHNICAL BULLETIN

HIKVISION®

Title:	Turbo HD Series DVR USA GUI Firmware Release Notes	Version:		Date:	4/24/15
Product:	Turbo HD Series DVR Models				
Action Required:	None, Information only				

Turbo HD Series DVR Firmware Information:
Firmware Version: v3.1.2 Build150130

Turbo HD Series DVR Model:
DS-7204HGHI-SH; DS-7208HGHI-SH; DS-7216HGHI-SH; DS-7308HQHI-SH; DS-7316HQHI-SH

Compatible IP Camera Information:

IP Camera Model	IP Camera Firmware
Raptor DS-2CD2xxx Series	V5.2.0_140721
Raptor DS-2CD4xxx Series	V5.2.0_140721
DS-2CD64xx Series	V5.2.0_140721
DS-2CD7xx/72xx/8xx/82xx Series	V5.2.0_140721

Turbo HD Series DVR v3.1.2 Firmware Updates
Firmware Version: v3.1.2, Build 150130

1. Supports VCA function such as intrusion detection and line crossing
2. Supports smart search during playback, smart playback supports intrusion detection and line crossing
3. Supports IPC connection via ONVIF protocol (73 series only)
4. Supports alarm over cable function (will be supported by future TVI camera with alarm I/O)
5. Supports preview and playback IPC channels when DVR are connected by EZVIZ (including encryption stream)
6. Supports single-window and multi-window switch for Zero-channel by double clicking in live view interface
7. Supports analog and IPC hybrid for 73 series, supports one more IPC channel connected if one analog channel is disabled
8. Supports single-window and multi-window switch for Zero-channel by double clicking in live view interface
9. Supports displaying all the channels (including analog and IPC) in one screen by increasing the division window amounts
10. Adds watermark information in RTP stream
11. User can configure VGA and HDMI's resolution in CVBS output and Web GUI

Turbo HD Series DVR Firmware Information:
Firmware Version: v3.0.2 Build 141201, Encoding Version: v5.0 Build 140813

Turbo HD Series DVR Models:
DS-7204HGHI-SH; DS-7208HGHI-SH; DS-7216HGHI-SH; DS-7308HQHI-SH; DS-7316HQHI-SH

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Turbo HD Series DVR v3.0.1 Firmware Updates:
Fix RTSP buffer overflow vulnerable issue.

Turbo HD Series DVR v3.0.1 USA GUI Firmware Release Notes
Firmware Version: v3.0.1 Build140924, Encoding Version: v5.0 Build140813

Turbo HD Series DVR Models:
DS-7204HGHI-SH; DS-7208HGHI-SH; DS-7216HGHI-SH; DS-7308HQHI-SH; DS-7316HQHI-SH

Compatible IP Camera Information:

IP Camera Model	IP Camera Firmware
Raptor DS-2CD2xxx Series	V5.2.0_140721
Raptor DS-2CD4xxx Series	V5.2.0_140721
DS-2CD7xx/72xx/8xx/82xx Series	V5.1.0_131202

Turbo HD Series DVR v3.0.1 Firmware Updates:
1. Supports instantly refreshing network parameters after DHCP successfully launches. DHCP is disabled by default.
2. Add Smart Play in playback menu.
3. Add Single Frame playback in playback menu.
4. Supports configure email time interval. Range is 1 min, 2 min, 5 min, and 10 min. Disabled by default.
5. Supports user MAC and IP address bonding function. Mismatched MAC and IP address will reject user's login attempt.
6. Supports mouse sensitivity configuration.
7. Supports Auto DST option configuration, enabled and USA time zone by default.
8. Modified live-view screen lock time the same as screen saver time.
9. Support high-speed playback, supporting 16x, 32x, 64x, 128x, 256x, 512x. Multi-channel and reverse playback do not support high speed.
10. Add GetURL in DDNS menu. After registering successfully in DDNS server, click on GetURL to get the URL.
11. RTSP port is 10554 by default.
12. Local default output resolution is modified as 1280*1024.
13. Supports adding and deleting channels dynamically during   playback and playback pause, but main channel cannot be replaced.
14. Playback progress bar can be zoomed in and out by scroll wheel of mouse.
15. Notify admin user to modify password, when user uses default password 12345 to log in, and proceed to password modify menu.

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16. Add Password Key Export button in user management menu. You can use Password Key to reset admin password to default.

17. Add password complexity notification.

18. Displays channel's real name plus Dn (n here is the channel number).

19. Add Playback button in right-click menu, click on the button to enter the small-screen playback menu directly.

20. Displays remaining recording time in record parameter menu. Automatically refresh this time when record parameters are changed.

21. Supports backup tag-corresponding record files.

22. Supports HDMI output resolution, auto-adjust when device launches.

23. Supports alarm when user logs in in with incorrect password, mismatched MAC or IP address.

24. Modified record schedule types.

25. Remove PPPoE function.

26. User can choose whether to merge export files. Single file cannot exceed 2 GB.

27. Adds menu output menu in Web GUI, which can configure the device's output resolution and main output interface.

28. The maximum frame rate is modified as Full Frame in both local and Web GUI.

29. Adds one button to open and close all channels' live view in Web GUI.

30. Displays IPC version information in Web GUI.

31. Compatible with IE 11, Chrome, Firefox, and Safari.

32. Removes language option box in Web GUI.

33. Removes Manual option in alarm output time-delay configuration. Does not support manually trigger alarm output.

34. Supports telnet, disabled by default.

35. Modified Quick Export mechanism, now export record files more precisely.

36. Supports Hikvision EZVIZ cloud access, disabled by default. DHCP is disabled by default at the same time.

37. Adds eSATA auto-backup function (only on DS-73XXHQHI series).

38. Fixes a bug that DDNS fails, when DDNS has been registered successfully and then modify URL.