

Turbo HD DVR V3.4.90 build170205 Release Notes

(2017-02-15)

| | Firmware Version: | v3.4.90 build170205 |
|--------------------------|-----------------------------|-------------------------|
| | SDK Version: | V5.2.5.40_build20161102 |
| Firmware | Play Library (PlayCtrl.dll) | 6.2.0.3 |
| Basic Information | player | 7.3.0.74 |
| | Web version | V4.0.1 build161019 |
| | Client version | V2.5.4.1 build20161121 |

Reason of Upgrade

Newly release model DS-7204/08HUHI-F1/S, DS-7204/08/16HUHI-F2/S, support 5MP TVI cameras access, deletes Hiddns and IP server service, newly support Hik-Connect. This version is only suitable for DS-7204/08HUHI-F1/S, DS-7204/08/16HUHI-F2/S. Add some new functions, modify some functions, enhance products quality and meet customers' requirements.

Firmware Updates

New Features

- i. Newly release F/S series DVR:
 - F/S series DVRs newly support 5MP TVI cameras access, meanwhile support 5 in 1 functions, (TVI/AHD/CVBS/CVI/IPC) cameras self-adaptive access.
 - Newly support 5MP long Distance Transmission function on Camera Management->Camera->Signal Input Status. Each channel can be enabled separately. When this function is enabled, the maximum transmission distance can be up to 800m.



| | Camera Management |
|-----------------------|---|
| - Camera > | Signal Input Status IP Camera IIP Camera Import/Export |
| ಟೆ OSD | Camera I HD/CVBS A1 I A2 I A3 I |
| 🟵 Image | A3 A4 Max. IP Camera Number 2 |
| ə PTZ | 5MP Long Distance Transmission |
| 1 Motion | |
| Privacy Mask | |
| 🕷 Video Tampering | |
| 🛛 Video Loss | |
| E VCA | |
| ⊘ Video Quality Diagn | |
| ♠ Live View | Apply Back |

ii. The recording resolution and frame rate of DVR analog channel can be self-adaptive according to the signal input.

The default main stream recording resolutions are 5MP/4MP/3MP/1080P/720P/WD1/4CIF/VGA/CIF. When connected with certain signal, the maximum resolution is consistent with resolution of signal input. For example, when connected with 4MP camera, 5MP recording resolution can't be supported; when connected with 3MP camera, 5MP and 4 MP recording resolution can't be supported.

| | | Record | | | | |
|-------------|----------------------------|-------------------------|--------------------|-----------------|--|--|
| Schedule | Record Substream | | | | | |
| * D | Camera | [A1] Camera 01 | | | | |
| Parameters | Camera Resolution | 4MP25 | | | | |
| 奏 Advanced | Encoding Parameters | Main Stream(Continuous) | Main Stream(Event) | | | |
| | Stream Type | Video & Audio | ~ Video & Audio | | | |
| 🕈 Holiday | Resolution | 4MP | × 4MP | | | |
| | Bitrate Type | 4MP | Constant | | | |
| | Video Quality | 1920*1080(1080P) | Medium | | | |
| | Frame Rate | 1280*720(HD720P) | 15fps | | | |
| | Max. Bitrate Mode | | General | | | |
| | Max. Bitrate(Kbps) | 960*576(WD1) | 4096 | | | |
| | Max. Bitrate Range Recomme | nd 704*576(4CIF) | 4320~7200(Kbps) | 4320~7200(Kbps) | | |
| | Max. Average Bitrate(Kbps) | 640*480(VGA) | 2048 | 2048 | | |
| | | 352*288(CIF) | | | | |
| | Enable H.264+ | | | | | |
| | More Settings | | | | | |
| ♠ Live View | | C C | Apply Apply | Back | | |

iii. 4MP/5MP signal access is conflicted with "Enhanced VCA" function. When "Enhanced VCA" function is
 enabled, 2K/4K HDMI output of DVR is not supported and 4MP/5MP cameras can't be accessed.



| | | Configuration | | | | | | |
|--------------|---|---|--|--|--|--|--|--|
| 🔅 General 🔹 | General DST Settings More | Settings | | | | | | |
| 😞 Network | Device Name Device No. | Embedded Net DVR 255 | | | | | | |
| \land Alarm | CVBS Output Brightness | | | | | | | |
| | Auto Logout Menu Output (?) Enhanced | Attention ~ | | | | | | |
| ▲ Exceptions | Main CVBS S disable 4 | Crossing detection and intrusion detection, and disable 4 MP/5 MP signal input. New settings will take effect after reboot. Click "Yes" to reboot now | | | | | | |
| ند User | | Yes No | | | | | | |
| A Live View | | Apply Back | | | | | | |

iv. HIDDNS Function modification

- 1) Delete hiddns and Ip server service from DVR, replaced by Hik-Connect domain function; reserve third party DDNS: DynDNS, PeanutHull and NO-IP.
- 2) The Hik-Connect function is not enabled by default.
- 3) Support adding IPC by its domain. Only support the IPC in the same Hik-Connect account with DVR, or shared IPC.
- v. Support displaying the VCA information on the analog channel when previewing.
 - Left-click the button on the live view window to display VCA information, and left-click again to hide.
 Support showing target box and rule box at the same time. Only one channel can be used for displaying VCA information at one time.
 - 2) Support displaying VCA information under single screen model or multi-screen model.
 - 3) Main-monitor output has this function, while auxiliary-monitor output not.





- vi. Support displaying the VCA information when playback.
 - 1) Support displaying the target box and rule box on the Smart playback.
 - 2) Supported VCA type: Line Crossing Detection and Intrusion Detection
 - 3) Add the "VCA info" button on Smart playback to enable displaying or hiding the VCA information. If the device does not support smart event or Smart IPC access, the button will turn to be grey.
 - Supported displaying on main stream of analog video recording file and main or sub stream of IPC recording file.
- vii. Update of coaxial function.
 - Support TVI/CVI/AHD signal coaxial control function, the protocol name is changed to UTC (Coaxitron).
 - 2) Support **all channel** of Hikvision TVI camera upgrading at one time, which used to be only one channel upgrading at one time.



| Camera | PTZ | | | | | | | |
|----------------------|---------------------|----|----------|--------------------|-----|--------|------------|-----------|
| | | | PT2 | Z Parameter Settin | igs | | | |
| ¢ OSD | Baud Rate | | 9600 | | | | - | |
| 🔉 Image | Data Bit | | | | | | ~ r All | Call |
| F PTZ | Stop Bit | | | | | | ~ | |
|) P12 | Parity | | None | | | | ~ | |
| Motion | Flow Ctrl | | None | | | | ~ r All | Call |
| Privacy Mask | PTZ Protocol | | UTC(Coa) | ixitron) | | | - | |
| a Filvacy wask | Address | k | 0 | | | | c | Clear All |
| 🖤 Video Tampering | Address range: 0~25 | 55 | | | | | | |
| 2 Video Loss | | | | | | | | |
| | | | | | | | st Control | |
| VCA | | | | Сору | ок | Cancel | | |
| Video Quality Diagn. | | | | | | | | |

 Newly support configuration of TVI camera Defog function. Defog Level is configurable on Camera Management->Image->Camera Parameters Settings.

| | | Camera Management | |
|-----------------------|--------------------|--------------------------|---|
| T Camera | Image Settings Car | mera Parameters Settings | |
| SD | Camera | [A1] Camera 01 | |
| | Signal Switch | 5 MP 20 fps | |
| * Image > | 1 1 | Enable Defog | |
| o PTZ | 1 | Day to Ni 0 1 | |
| | | Night to D 0 1 | |
| Motion | | IR Light B 0-1 | |
| Privacy Mask | | Defog Level 0 1 | |
| 🖤 Video Tampering | | | |
| | | k | |
| 7 Video Loss | | | |
| VCA | | | |
| Video Quality Diagn | | | |
| S video Quality Diagn | | | |
| Live View | | Default Copy Apply Back | < |

viii. Support displaying **Online Users** information on web browser and client.

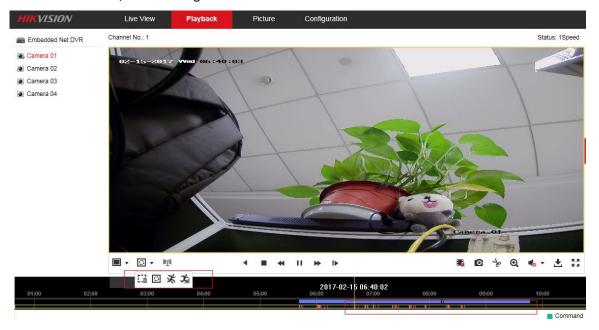
| | VISION | Live Vi | ew | Playback | Picture | Co | nfiguration | | |
|---|-------------------|---------|---------------------|--------------|---------|----|-------------|---------------------|--|
| Ţ | Local | User I | <i>l</i> lanagement | Online Users | [| | | | |
| | System | - U | Jser List | | | | | Refresh | |
| | System Settings | N | o. I | Jser Name | Level | | IP Address | User Operation Time | |
| | Maintenance | | | | | | | | |
| | Security | | | | | | | | |
| | Camera Management | | | | | | | | |
| | User Management | | | | | | | | |

ix. All VCA events newly support PTZ linking action.



| | | | | Camera Ma | anagem | ent | | |
|----|---------------------|-----------------|-----------------|-------------|--------|-------------|--------|--------------------------------------|
| • | Camera | | | Setti | ngs | | | · |
| 5 | OSD | Trigger Channel | Arming Schedule | e Linkage A | ctio 1 | PTZ Linking | | - Save VCA Picture |
| a | Image | Analog | ⊠ A1 | A2 | A3 | A4 | | ing D People Gath en Sc PIR Alarm |
| | | | | | | k | | |
| 5 | FTZ | | | | | | | |
| * | Motion | | | | | | | Rule Settings |
| 22 | Privacy Mask | | | | | | | |
| | Video Tampering | | | | | | | |
| ? |] Video Loss | | | | | | | |
| G | VCA | | | | | | | |
| ¢ | Video Quality Diagn | | | Арр | oly | ок | Cancel | |
| • | Live View | | | | | | Apply | Back |

Newly support VCA search function of remote playback. Supported VCA type: Motion Detection,
 Intrusion Detection, Line Crossing Detection₀



xi. Newly support **One-Key Disarming** function. When this function is enabled, all linkage actions will not be triggered.



| | | Configuration | | | |
|------------|-------------------------------|---------------|------|-------|------|
| 泰 General | Alarm Status Alarm Input Alar | m Output | | | |
| & Network | Alarm Input No. | Local<-1 | | | |
| | Alarm Name | | | | |
| Alarm | ` Туре | N.C | | | |
| Live View | Fnable | | | | |
| | Enable One-Key Disarming | | | | |
| Exceptions | Settings | ø | | | |
| user 🖇 | | k | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Live View | | | Сору | Apply | Back |

xii. Modify some area time zone.

- 1) Adjust Turkey (Istanbul / Moscow / St Petersburg) time zone to UTC+3:00
- 2) Adjust Novosibirsk time zone to UTC+7:00
- 3) Newly add Caucasus time zone(GMT+04:00)
- 4) Adjust Magadan time zone to GMT+11:00
- **xiii.** Improve the performance of motion detection.
- **xiv.** Modify some France language expressions.
- **xv.** Improve the quality of AHD signal image.

Related product list:

| DS-7204HUHI-F1/S、DS-7208HUHI-F1/S、 |
|--|
| DS-7204HUHI-F2/S、DS-7208HUHI-F2/S、DS-7216HUHI-F2/S |
| |
| |
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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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