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| Title: | RN TurboHD DVR v4.20.000 | Version: | v4.20.000 | Date: | 080719 |
| Product: | TurboHD DVRs | Build: | 190222 | Page: | 1 of 7 |
| Action Required: | None, Information Only | | | | |

■ Introduction

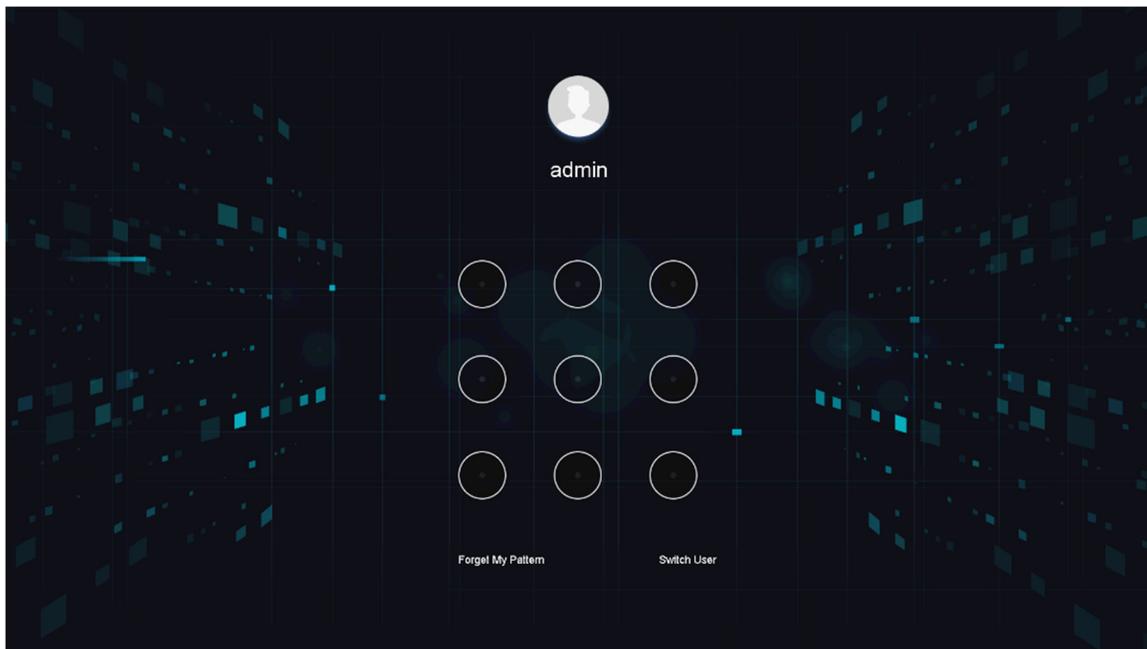
Firmware has been upgraded to v4.20.00 for select Hikvision TurboHD DVRs.

■ Reasons for Upgrade

- New GUI 4.0
- New Functions
- Modified Functionsp
- Enhance Product Quality To Meet Customers' Requirements

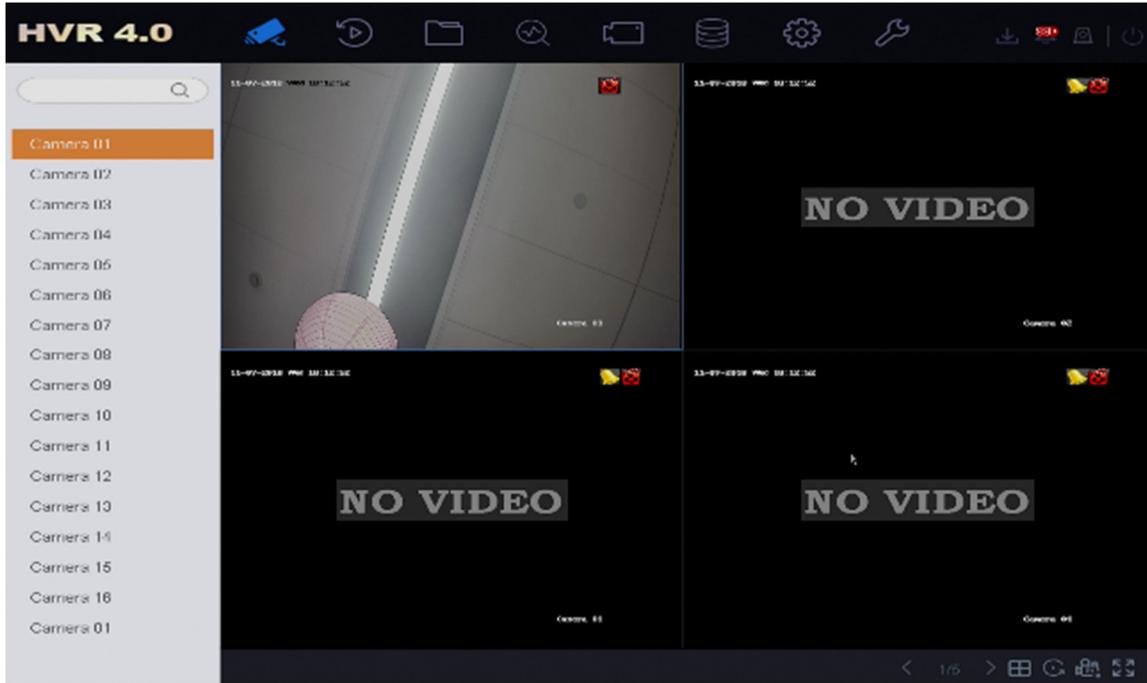
■ Main Update

- GUI 4.0
 - New Startup

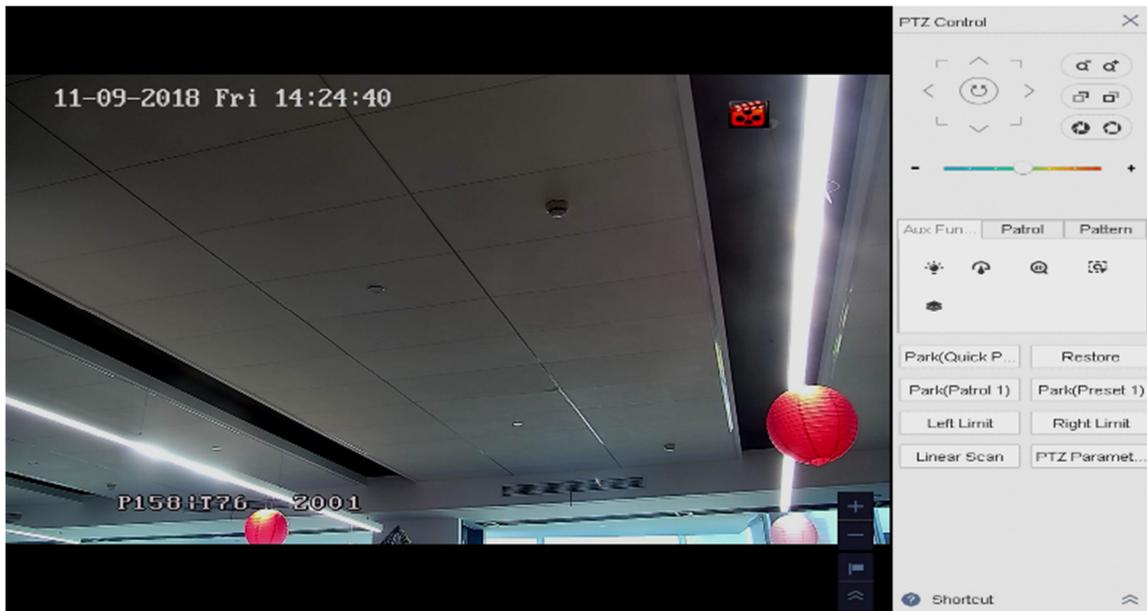


> **Preview Menu:** Using the right mouse button can quickly enter and exit the full screen.

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- PTZ Control

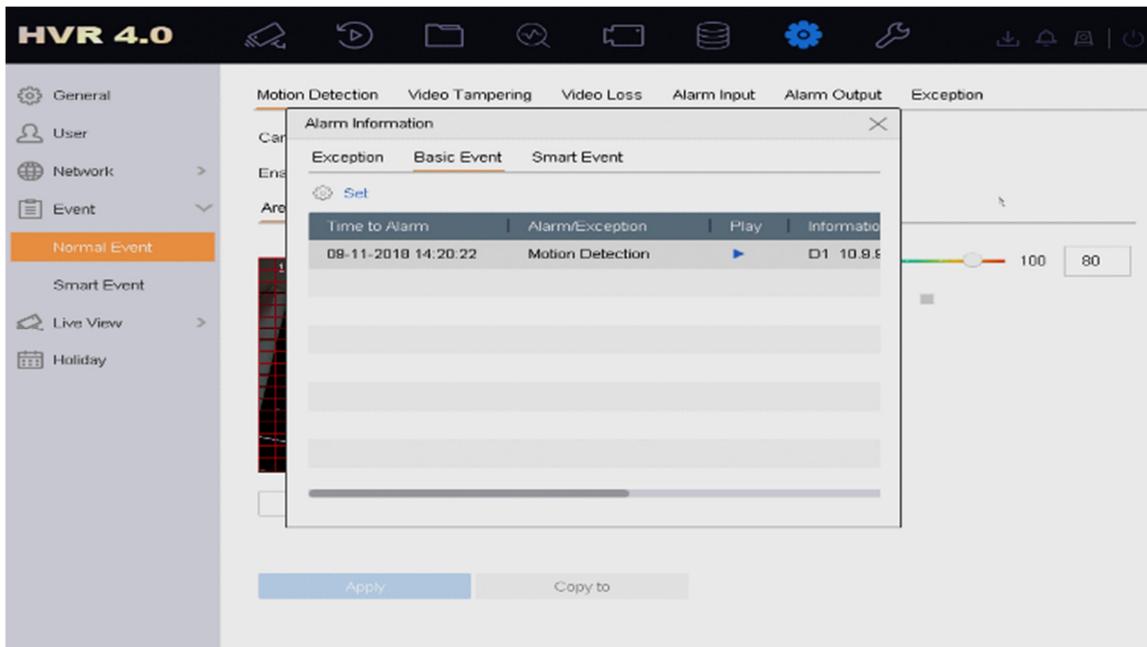


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- **New Playback Interface**



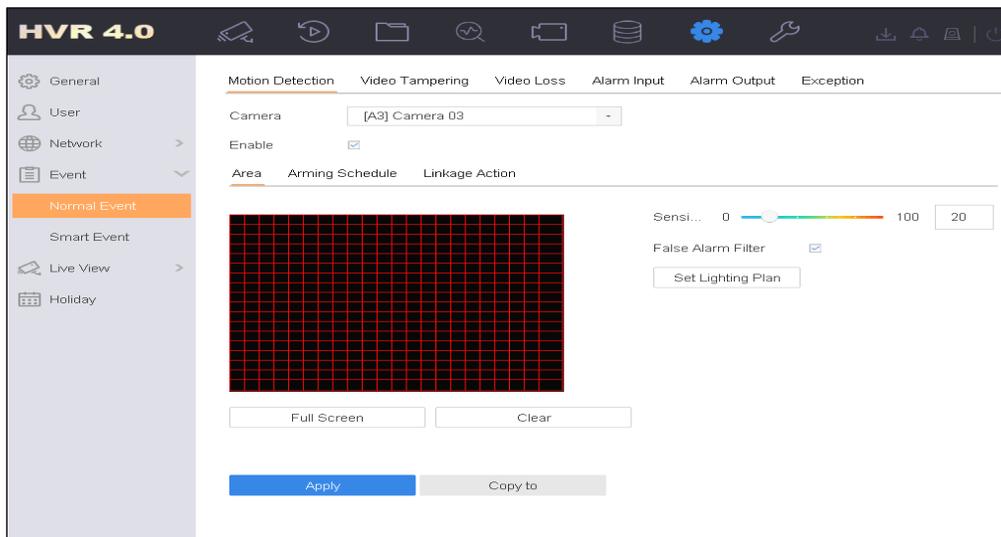
- **Alarm List:** Alarm messages are classified by Exception, Basic Event, and Smart Event.



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Local GUI Configuration

- Admin user can set local live view permission for guest and operator user (**System > User > Check the guest user > Camera Configuration > Camera permission > Local Live View**).
- The Brazil, Russia, Israel, Iran, and Middle East versions are released in sync with baseline
- Newly supports recovering device password via reserved e-mail: input a reserved e-mail address while activating the device, and if the device password is forgotten, you can click **Forget Password > Verified by Reserved Email > Scan the QR Code by Hik-Connect App > Check Your Reserved Email Inbox for Verification Code > Enter the Verification Code** to create a new password.
- Newly supports configuring PIR camera white light flash time



NOTE: Only K Series DVRs support this function.

- Image storage increases expired time
- DS-71/7204HUI-K first channel supports accessing 8 MP/8 fps, other channels support accessing 5 MP/25 fps
- DS-7204HUI-K supports 2K output, 2K output and VCA enhanced mutual exclusion
- Supports no plug-in use with Google Chrome and Firefox browsers
- Any analog channels can be disabled for additional IP channels. This will work when enabling **Enhanced IP Mode (Configuration > General > More Settings > Enhanced IP Mode)**, except for HT Series devices

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- For devices with 16 or fewer channels:
 - > The number of IP channels that can be added to HUI/HTI DVRs is N as default (N represents the number of analog channels); if analog channels are disabled, the number of IP channels will be $N + N$
 - > The number of IP channels that can be added to HQI DVRs is $N/2$ as default (N represents the number of analog channels); if analog channels are disabled, the number of IP channels will be $N/2 + N$
- For devices with more than 16 channels:
 - > The number of IP channels that can be added to 72 HQI DVRs is eight by default; if analog channels are disabled, the number of IP channels will be $8 + N$ (N represents the number of analog channels).
 - > The number of IP channels that can be added to 73/81 HQI DVRs is 16 by default; if analog channels are disabled, the number of IP channels will be $16 + N$ (N represents the number of analog channels).
 - > The number of IP channels that can be added to 90 HQI DVRs is N by default; if analog channels are disabled, the number of IP channels will be $N + N$ (N represents the number of analog channels)

NOTE: When enabling **Enhanced IP Mode**, the analog channel's VCA will be disabled.

■ Modified Functions

- Smart and SVC are mutually exclusive
 - When accessing an 8 MP signal, 71 and 72HUI-K and 72HUI-K/P DVRs turns off the Smart and SVC functions. When accessing another signal, Smart and SVC are mutually exclusive.
 - For 71 and 7204/08/16HQI-K and 7204/08/16HQI-K/P DVRs, Smart and SVC are mutually exclusive
 - For IDS 72xxHQI DVRs, Smart and SVC are mutually exclusive
- Supports 10,000 video/picture search results
- Network disk support
 - 71 and 72HQI-K/HUI-K/HTI-K(P) DVRs support two network disks
 - 73HQI DVRs support four network disks
 - 81HQI DVRs support eight network disks
 - K72A and K72 and K71 AcuSense DVRs support two network disks

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- Fixed VCA on analog channels so that they can be enabled even after enabling Enhanced IP Mode
- Supports non plug-in browser on HTTPS (Firefox does not support self-signed certification)
- DHCP off by default
- Audio record off by default
- NTSC output standard by default

■ Remaining Issues

- When using non plug-in login in a Chrome browser via HTTPS, when in playback and you drag the progress bar repeatedly within a short period of time, the device might reboot
- Spelling error in the firmware, “fail to stop palyback,” will be changed to “fail to stop playback” in the next version
- OSD control over coaxial to an H1T A version camera is not available on HQI DVR models due to hardware limitation

■ Available Models

| Model | Platform |
|--------------------|----------|
| DS-7308HUI-K4 | K52 |
| DS-7316HUI-K4 | K52 |
| DS-9016HUI-K8 | K52 |
| DS-9008HUI-K8 | K52 |
| DS-7332HQI-K4 | K52 |
| DS-7332HUI-K4 | K51 |
| DS-9032HUI-K8 | K51 |
| DS-7204HUI-K1 | K72 |
| DS-7208HQI-K2/P | K72 |
| DS-7208HQI-K2 | K72 |
| DS-7204HUI-K1/P | K72 |
| DS-7204HQI-K1/P(B) | K72A |
| DS-7204HQI-K1(B) | K72A |
| iDS-7208HQI-K2/4S | K72 |

| Model | Platform |
|-------------------|----------|
| iDS-7204HUI-K2/4S | K72 |
| iDS-7208HUI-K2/4S | K71 |
| iDS-7216HQI-K2/4S | K71 |
| DS-7216HQI-K2 | K71 |
| DS-7216HQI-K2/P | K71 |
| DS-7208HUI-K2/P | K71 |
| DS-7308HQI-K4 | K71 |
| DS-7216HUI-K2/P | K71 |
| DS-7216HUI-K2 | K71 |
| DS-7316HQI-K4 | K71 |
| DS-7208HTI-K2 | K71 |
| DS-7204HTI-K1 | K71 |
| DS-7208HUI-K2 | K71 |
| DS-7232HQI-K2 | K71 |

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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 about 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.

■ NOTES

- Hikvision has all rights to alter, modify, and cancel this notice.
- Hikvision doesn't give any guarantee for old models' stock.
- Hikvision is not liable for any typing or printing errors.
- For special model's change details, please contact our local technical support team.