

AiHomeGuardPro Release Notes

- Version 6.6.1 (Nvidia Jetson Nano Only) offers hardware-accelerated encoding (generating video recordings) to off-load the CPU. The option can be chosen on the parameter setup screen.
- Version 6.6.0 (Ubuntu 20.04/PC, Windows 10 and Nvidia Jetson Nano) supports Nvidia hardware-accelerated H.264 (RTSP stream) decoding, and offers higher camera frame rate (10 ~ 20 FPS), and reduces CPU consumption. Note that if you don't have a Nvidia GPU in your PC, you can still use CPU as the streaming decoder, and the Intel GPU as the AI inference engine. Beginning with this version we no longer enhance AiHomeGuard on Ubuntu 18.04 on PC. If you want the new features offered by 6.6 or newer releases, please upgrade your Ubuntu to 20.04 on PC. For Jetson Nano, Ubuntu 18.04 is offered by Nvidia JetPack with a built-in hardware-accelerated decoder.
- Version 6.5.0 (Linux and Windows 10) improved the AI inference performance by 70%; Version 6.5.1 (Linux and Windows 10) fixed an issue of not extending recording for continuous alerts; Version 6.5.2 (Windows 10) fixed an issue with the AI inference parameter that may cause false positives.
- Version 6.4 has added more classes of animal and vehicle types, and the option to group different kinds of animals and vehicles into group names "animal" and "vehicle" respectively. The option can simplify the event filter setup, i.e. filtering based on either the group names or the individual classes.
- Version 6.3 has improved the user interface based on our customer feedback, It has migrated from Ubuntu 16.04 to Ubuntu 18.04 (AMD64). This version has been ported to Ubuntu 18.04 ARM64 for Nvidia Jetson Nano, and named as AiHomeGuardNano. We have made both Linux packages downloadable.
- Version 6.2 has added a web server so that you can view the full image and MP4 files streaming to your web browser with any of devices (Android, iPhone, MacBook, Windows PC, etc.). You can simply click the URL in your email alerts to view the contents without using any 3rd party app. You may also set up your ISP router with IP forwarding so that you can access your alert images and videos from the Internet.
- Version 6.1 has implemented a fine-grained event filter feature enabling you to define 7-weekdays by 24 hour time schedules with built-in actions for the core service. With this feature you can specify, like: don't issue audio and email alerts (but still keep all actions such as recording image and video) if the alert is from the "front" camera with a "person" moving "toward" the camera within the defined time schedule "nightOnly".
- Version 6.0 adopted a new AI Inference engine with a new trained AI model that offers higher accuracy with reduced latency. Compared with version 4, it has improved AI inference performance by more than 100% on native Nvidia GPU, i.e. cuDN

Upgrade to New Release

If your current version is older than 6.0.0, or the OS is Linux, then you must do a full installation for the new release, as the steps described below:

1. Stop all AiHomeGuard services from the console bar.
2. Uninstall the existing AiHomeGuardPro package.
 - a. For Windows 10, type "remove app" on the Search bar, and select "Add and remove programs", and then click "AiHomeGuardPro" to uninstall it.
 - b. For Linux, type command from a Term session: `sudo apt remove aihomeguardpro`
3. Download (<https://aihomeguard.com>) and run the new release package as described in the "AiHomeGuard (Windows 10) Setup" or "AiHomeGuard (Linux 18.04) Setup" documents.
4. Go through the Core Service and, optionally, event services as a fresh installation.

If your current version is 6.0.0 or newer and the OS is Windows 10, you can upgrade your AiHomeGuard version to 6.5_1 (or the latest version) without removing the existing installation. The upgrade will patch your Core Service setup data without any need to run the Core Service setup:

1. Download the upgrade package (e.g. AiHomeGuardProUpdate651Setup) from <https://aihomeguard.com>
2. Stop Core Service and Event Service from the console bar.
3. Run the update package, and click the AiHomeGuard Icon on the desktop, and the version number shown on the console bar will change to "version 6.5_1" (or the version being installed).
4. Restart all services from the console bar.