Thermal Monocular LYNX,LYNX Pro,OWL Series

Version: V5.5.20 build 210902

Release Notes

(2021-9-8)

General Information

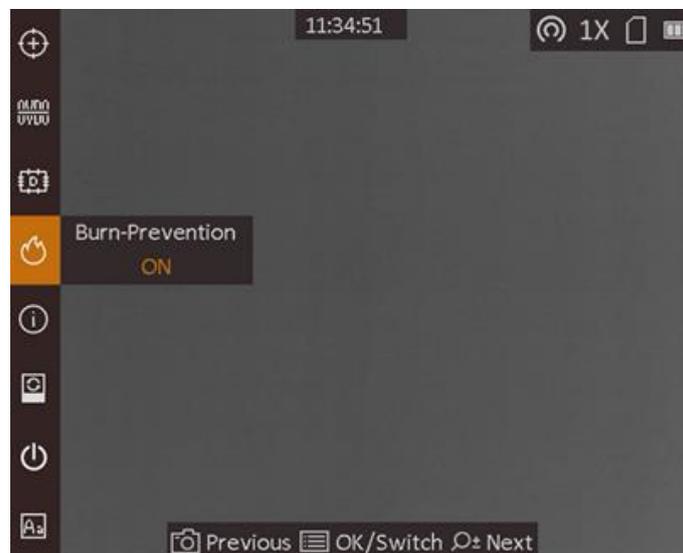| Main Firmware Version	V5.5.20 build 210902
LC06 FPGA Version	V1.2.14 build 210811
L15 FPGA Version	V1.0.7 build 210825
LH Series FPGA Version	V1.0.7 build 210825
OH Series FPGA Version	V1.0.7 build 210817
OQ Series FPGA Version	V1.0.7 build 210818

Supported Product List

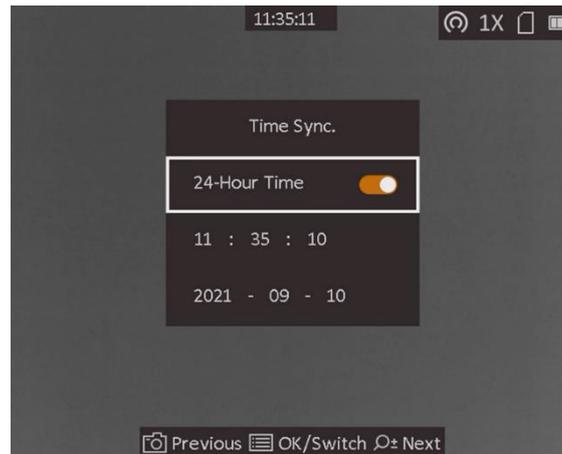| LC06 |
|---|
| L15 |
| LH15 |
| LH19 |
| LH25 |
| OH25 |
| OH35 |
| OQ35 |

Reason of Upgrade

Added new features and implemented some optimizations.

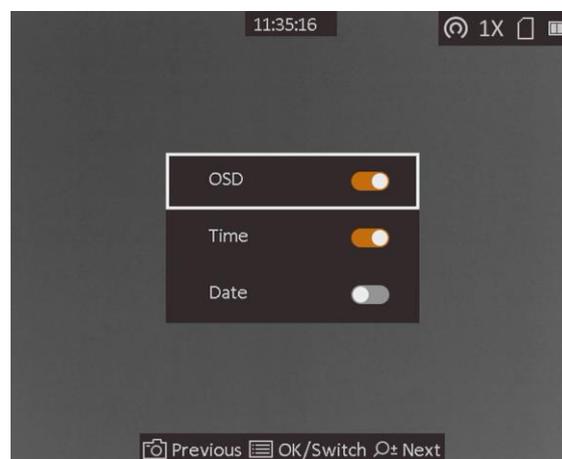## Key Updates: Monocular V5.5.20

1. Image quality optimization for models LC06, L15, LH15, LH19, LH25, OH25, OH35, OQ35:

    ●   **DDR:** Improve the Digital Noise Reduction algorithm to balance the image details and ground noises better.

    ●   **Recognition Mode:** Show more details of both high temperature target and background edges.

    ●   **Jungle Mode:** Enhance the contrast of the target among field area, and make it easier to be discovered.

2. Support **Burn-Prevention** function to protect detector.

    ●   After the function is turned on, the device will slide shutter which in front of detector down and keep 10 seconds when device is facing the sun directly.

    ●   Function status default to be OFF.

3. Support **Real Time Clock** to be displayed on the live image.

4. Support **OSD/Time/Date** to be separately turned ON/OFF on display.

5. **Reduce the startup time** of device:
   - Video stream can be displayed within 8 seconds.
   - OSD shows up, and device can be operated within 15 seconds.

6. Add **Hot Tracking** function for LH models.

7. Optimize the **shutdown countdown logic** for LH models.

8. New multi-language **Japanese and Korean** has been added.

Key Updates: T-Vision V1.3.0

1. You can tap 🔲 on the live view page to upgrade main firmware when the latest version is available.
   Note: The remote upgrade **can only be supported** after device firmware being upgraded to the latest version. Users still need to do device upgrading from former version by USB this time

2. You can tap ▣ on the live view page to view, filter, download, and delete pictures and videos stored on the device SD card.

3. You can tap ⚙ -> **Time Settings** on the live view page to switch on **24-Hour Clock** to set the device time to 24-hour format, switch on **Timestamp Overlay** to overlay the timestamp onto the live video image, switch on **Display Date** to display the date on the top right corner of the screen of the device.

4. You can tap ⚙ -> **Time Synchronization** to synchronize the device time with your phone's real time clock on the live view page.

5. Newly add Japanese and Korean for T-Vision.

Upgrade Guide

All the following 2 firmware need to be upgraded:

ID	Firmware Type	Version
1	Main	V5.5.20 build 210902
2	FPGA	Refer to general information

Upgrade Steps are shown as follow:

1) Disable hotspot function then connect the device to your PC with cable.

2) Turn on the device and open the detected disk, copy the unzipped .**dav** file and paste it to the root directory of the device.

3) Hold power button to reboot the device, and the device upgrades automatically. The upgrading process will be displayed in the main interface.
   During the upgrade, make sure the device is connected to the computer. Otherwise, it will cause unnecessary upgrade failure, firmware damage, etc.

4) Repeat steps 1 to 3 to upgrade all firmware one by one (no order requirement for package upgrade). The upgrading process of FPGA firmware would be continued for over 15 minutes, so please be patient during the upgrading.

Notes

1. After the upgrade, the device cannot be downgrade to the previous versions.
2. Due to some default parameters have been changed, please restore your device after upgrading, to make sure that every function is working well.

3. After upgrading the FPGA firmware, some defective pixels may be released due to the change of image algorithm. This is a normal phenomenon and please use the built-in DPC function to eliminate them. For specific guide about DPC function, please refer to the user manual.

Remarks:

- Please use this Document with the guidance and assistance of professionals trained in supporting the Product.

- Pictures, charts, images and all other information hereinafter are for description and explanation only.

- HIKMICRO reserves the right to change, alter or withdraw the above notification without prior notice.

- Product design and specifications are subject to change without prior notice.

- The HIKMICRO firmware may contain errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are available on request.

- HIKMICRO is not liable for any typing or printing errors.

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