

# Thermal Scope Thunder Series

## Version: V5.5.39 build 220422

### Release Notes

**(April 28, 2022)**

#### General Information

Main Firmware Version	V5.5.39 build 220422
FPGA Firmware Version	V1.0.7 build 220423

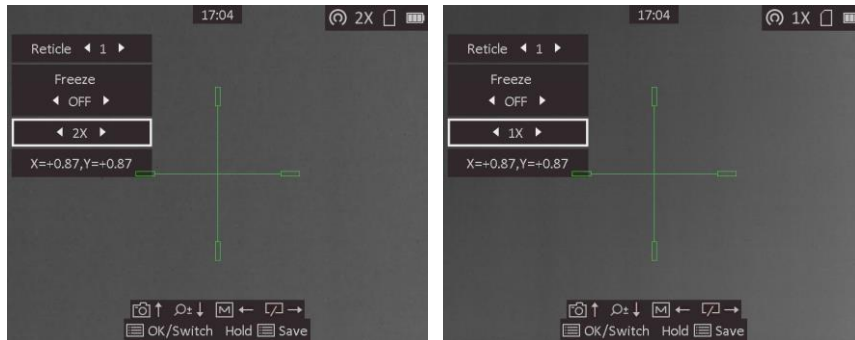
#### Supported Product List

HM-TR13-35XF/W-TH35
HM-TR13-25XF/W-TH25

#### Key Updates: Thunder V5.5.39

- 1) Add the saving of high magnification calibration data. The reticle coordinate value is displayed in the form of integer + decimal. And the value under each magnification remains the same.





- 2) Add **digital zoom function when adjusting reticle position.**
- 3) **Add a legal disclaimer** to prompt the user when enabling the reticle on for the first time after the device is initialized.
- 4) Support that when adjusting the reticle position, the current style reticle can be moved and the original position is marked with a small reticle.
- 5) **Add black color into reticle color type**
- 6) **Combine main firmware and FPGA firmware into one firmware package.**

**Note:**

- While waiting for the device upgrade to complete, it will experience twice the upgrading process.
  - First upgrading process stands for main firmware upgrade and it will use the “**Upgrading...**” to prompt upgrade progress. This step will take 2-3 minutes to complete. After the upgrade is completed, it will restart.
  - After the device restarts, it will experience the second upgrading process which stands for FPGA firmware upgrade. This step will take almost 15-20 minutes to complete so please just wait for 15-20 minutes in this step.
- 7) Optimize the palette icon prompt to be consistent with the live view’s palette in real-time.
  - 8) Optimize the extreme value parameters of brightness and contrast.
  - 9) Optimize UI prompt of video recording
    - **Add a red dot** in the upper left corner of the display when the device enables video recording. And the red dot will not flash.
  - 10) Support taking photos during video recording.
  - 11) Support **auto power off in standby mode: close, 30min, 45min. (Function status default to be Close)**
  - 12) **Remove seconds** from the real-time clock.
  - 13) Support **HIKMICRO watermark** overlay function. (Function status is off by default and after enabling, it will take effects in live view, snapshot and video recording.)

14) Fix some known issues.

## **Upgrade Guide**

### **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 the 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 or connected to DC power or powered by the full battery. Otherwise, it will cause unnecessary upgrade failure, firmware damage, etc.
- 4) The upgrading process will experience twice upgrading process and would be continued for over 20 minutes. Meantime it will stay for a while in the second upgrading process, so please be patient during the upgrading.

Besides, it's also recommended to use HIKMICRO Sight to upgrade the device remotely. For the specific description of this function, please refer to the related documents of HIKMICRO Sight.

## **Notes**

- 1) After upgrading, the device cannot be downgraded to the previous versions.
- 2) After upgrading, some defective pixels may be released due to the change of the image algorithm. This is a normal phenomenon and please use the built-in DPC function to eliminate them. For a specific guide about the 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. Currently characterized errata are available on request.
- HIKMICRO is not liable for any typing or printing errors.

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