



# Quickstart Guide

## Nighthunter C35

### Thermographic Camera

Thank you for choosing this product. Please read this Guide carefully before use and keep it properly for future reference.

Pictures for reference only, please refer to the actual product you receive.

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## **- IMPORTANT NOTES -**

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This Guide is a general guide for a series of products, which means that the specific model you receive may differ from the pictures in this Guide. Please refer to the actual product you receive.

This Guide is organized for the convenience of users to use and understand our products. We will do our best to ensure the accuracy of the contents of this Guide. However, we still cannot guarantee the completeness of the contents thereof. As our products are subject to continuous upgrading, we reserve the right to modify this Guide from time to time without prior notice.

## **- FCC WARNING -**

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This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However,

there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- The rating information is located at the bottom of the unit.

## - PRECAUTIONS -

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### **DANGER**

- 1) Please charge the battery with the method described in this Guide and follow the charging procedure and precautions. Improper battery charging will cause heating, damage and even physical injury;
- 2) Do not try to open or disassemble the battery at any time. Once the battery leaks and the spill enters the human eye, wash the eyes with clean water immediately and take medical care.



### **WARNING**

- 1) When using the device, please try to keep it stable and avoid violent shaking;
- 2) Do not use or store the instrument in an environment that exceeds the allowable working temperature or storage temperature of the device;
- 3) Do not directly aim the device at high-intensity thermal radiation sources, such as the sun, lasers, spot welding machines, etc;
- 4) Do not block the holes on the device;
- 5) Do not knock, throw or vibrate instruments and

accessories to avoid damage;

- 6) Do not disassemble the machine by yourself, which may cause device damage and loss of warranty rights;
- 7) Do not use soluble or similar liquids on device and cables, which may cause damage to the device;
- 8) Please do not use the device in an environment that exceeds the operating temperature of the device, which may cause damage to the device;
- 9) Please observe the following measures when wiping this device:
  - Non-optical surface: use a clean soft cloth to wipe the non-optical surface of the thermographic camera when necessary;
  - Optical surface: when using the thermographic camera, please avoid polluting the optical surface of the lens, especially avoid touching the lens with your hands, because the sweat on your hands will leave traces on the lens glass and may corrode the optical coating on the glass surface. When the surface of the optical lens is polluted, use special lens paper to wipe it carefully;
- 10) Do not put the battery in a high-temperature

- environment or close to high-temperature objects;
- 11) Do not short circuit the positive and negative poles of the battery;
  - 12) Do not put the battery in wet environment or water.



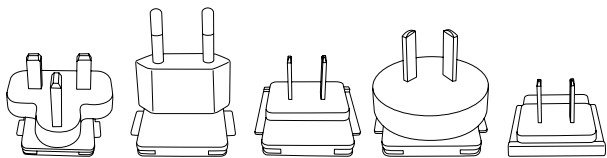
**NOTES:**

- 1) Do not expose the device to dust or moisture. Avoid water splashing to the device when being used in an environment with water. Cover the lens when not using the camera;
- 2) When this device is not used, please put the device and all accessories in a special packing box;
- 3) Avoid using SD cards for other purposes;
- 4) Using the eyepiece for a long time will reduce the contrast of the eyepiece, and the picture will turn white. You can switch to LCD display, and then to eyepiece display after a period of time.

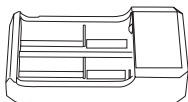


## - LIST OF PARTS -

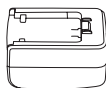
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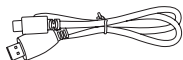
Plug of Chinese, American, British, Australian,  
European standard



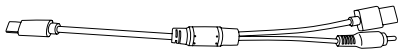
18650 charger



5V2A adapter



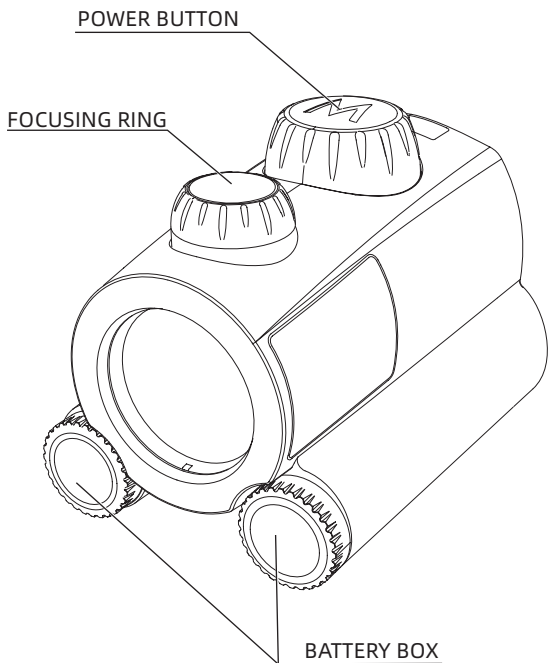
Type-C cable



Two-in-one video cable

## - INTRODUCTION TO PRODUCT PARTS -

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## - QUICKSTART INSTRUCTIONS -

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Buttons	Current Device Status	Short Press	Long Press
Power button	Power on	Compensation	Open menu
	Power off	/	Power on
	Display off	Display on	Display on
Focusing button	Power on	/	/

Buttons	Current Device Status	Rotate Clockwise	Rotate Anticlockwise
Power button	Power on	Photo	Video
	Power off	/	/
	Display off	Display on	Display on
Focusing button	Power on	Far focus	Near focus

### [ BUTTON DESCRIPTION ]

#### 1. Power button

- **Power on**

Long press the Power button until the boot screen appears in the eyepiece, then the device is turned on successfully.

- **Power off**  
Enter menu and select “Power Settings” , and short press the Power button to display the shutdown progress bar until the progress bar is completed and the shutdown is successful.
- **Display off**  
Enter menu and select “Power Settings” , and short press the Power button to display the shutdown progress bar. Before the progress bar is completed, short press the Power button to cancel the shutdown and enter the Display off mode.
- **Display on**  
In Display off mode, press or rotate the Power button to wake up the screen.
- **Compensation**  
Short press the Power button briefly to complete the corresponding compensation action.
- **Menu**  
Long press the Power button to call up the menu.
- **Move the menu and option**  
When it is turned on and the menu is called up, rotate the Menu button clockwise/anticlockwise to move the menu or option up.

- **Exit menu**

When it is turned on and the menu is called up, long press the Power button to back to the real-time interface without saving.

- **Take photos**

Rotate the Power button clockwise to take photos.

- **Take videos**

Rotate the Power button anticlockwise to start video recording, and rotate the Power button anticlockwise again to stop video recording and save the video.

- **Serial port mode**

Rotate the Power button clockwise for 3 times while pressing it to power the device in serial port mode (the serial port icon appears) and enter the real-time screen without affecting the actual use.

## 2. **Focusing button**

- **Near focus**

When it is turned on, rotate the Focusing button anticlockwise to adjust the near focus to a minimum distance of 5m.

- **Far focus**

When it is turned on, rotate the Focusing button clockwise to adjust the far focus to an infinite maximum distance.

## **[ FUNCTION DESCRIPTION ]**

- **PIP:** PIP can be switched among four states: upper left, upper middle, upper right and off.
- **Screen brightness:** The screen brightness can be adjusted from level 1 to 10.
- **Hotspot tracking:** A white crosshair will be displayed when it is enabled to track the spot with the highest temperature on the entire map.
- **Super power saving:** When the power saving mode is enabled, the ARM switches to the low power mode; the OLED brightness is fixed at 20%, which cannot be adjusted, and WIFI cannot be turned on. If the current WIFI has been already turned on, turn off the WIFI.
- **Image enhancement:** The imaging quality can be adjusted.
- **Scene mode:** There are three scene modes can be set: Enhanced/Highlighted/Standard.
- **Pseudo color:** Colors can be adjusted to White hot, Black hot, Red hot, Iron red, Flame and Amber.
- **Brightness:** The detector brightness can be adjusted from level 1 to 10.
- **Contrast:** The detector contrast can be adjusted from level 1 to 10.
- **Compensation mode:** Scene compensation/Shutter

compensation.

- **WIFI:** WIFI switch. When the mobile client and the device are connected, real-time videos can be transmitted to the mobile phone, the device can be operated through the APP.
- **Rough ranging:** Go to the rough ranging interface and rotate the Power button clockwise/anticlockwise to move the upper horizontal line up and down.
- **Screen coordinate:** There are three groups of screen coordinate (A/B/C). The device can save three groups of screen position, each of which can be adjusted separately.
- **Watermark settings:** It can be selected from Time only/Date only/OSD/LOGO.
- **Auto sleep:** Auto sleep time can be set at 5/10/15min. If no operation is made within the set time, the camera will enter the sleep mode.
- **Automatic power off:** Automatic power off time can be set at 15/30/60min. If no operation is made within the set time, a countdown to power off will appear and the camera will be powered off when the countdown is over.
- **Time format:** The time format can be 12H/24H.
- **Date format:** The date format can be YYYY-MM-DD/MM-DD-YYYY/DD-MM-YYYY.

- **Time settings:** The device time and date can be adjusted in the time adjustment interface.
- **Language settings:** The device support 5 languages: English/German/French/Italian/Spanish.
- **Memory card formatting:** All files in the memory card can be deleted.
- **Restore default:** The default values of the device can be restored, and then the device will automatically restart and the language guide interface appears.
- **About:** The software version and MAC address are displayed.
- **Power settings:** Go to the menu and select "Power settings", and short press the Power button to display the shutdown progress bar until the progress bar is completed and the shutdown is successful;  
Go to the menu and select "Power settings", and short press the Power button to display the shutdown progress bar. Before the progress bar is completed, short press the Power button to cancel the shutdown and enter the Display off mode.
- **Back**  
Click Back in the menu to go back to the real-time screen or back to the previous menu.



- **Capacity indication**

When the thermographic camera is turned on and the battery capacity changes, the capacity indicator is displayed in the middle of the screen, and the part of the lit power indicator shows the remaining battery capacity.

After starting up and entering the real-time screen, the icon corresponding to the above power capacity will be displayed in the middle of the screen.

Notes:

Please replace the battery in a timely manner when the battery is low!

## **- COMMON TROUBLESHOOTING GUIDE -**

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### **1. The device cannot be powered on**

Solution: replace the battery or connect the adapter for power supply

### **2. The device cannot take photos/videos**

Solution: the internal storage space of the device is full. It is needed to format the memory card or disconnect the device from the computer

### **3. The display time of the device is inconsistent with the actual time**

Solution: reset the time and date of the device in the menu

### **4. The screen goes black during use**

Solution: press or rotate the Power button to wake up sleep and light up the screen

### **5. The imaging of the device is blurred in use**

Solution: rotate the focusing button until the image sharpens

## **- STORAGE AND TRANSPORTATION -**

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### **Storage:**

1. The storage environment of packaged products is  $-30^{\circ}\text{C}\sim 60^{\circ}\text{C}$ , the relative humidity is not more than 95%, without condensation and corrosive gas, and is well ventilated and clean indoor;
2. Please take it out and charge it every 3 months.

### **Transportation:**

The thermographic camera shall be protected from rain, water, inversion, violent vibration and impact during transportation, and shall be handled with care. Throwing is not allowed.

Special statement:

The version of the Guide will be updated after the technical improvement of the product.