Quick User Guide for STEINER S35 Gen2 Thermographic Camera

This device is an infrared thermal imaging instrument, can be outdoor night vision, outdoor rescue and so on

Thank you for choosing this product. Please read this Guide before use and keep it for future reference. We hope you'll be satisfied with this product.

Important Notes

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

This Guide is organized for 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

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.

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.

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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.

FCC/IC RF Radiation Exposure and SAR Statements

The device has been tested for body-worn Specific Absorption Rate (SAR) compliance. The FCC/IC has established detailed SAR requirements and has established that these requirements. RF Exposure Information The radio module has been evaluated under FCC Bulletin C95.1 and IEEE 1528 and found to be compliant to RF Exposure from radio frequency devices. This model meets the applicable government

requirements for exposure to radio frequency waves. The highest reported SAR level for usage near the body (0mm) is 0.784 W/kg.

Precautions

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. In the event the battery leaks and the spill enter 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 device in an environment that exceeds the allowable operating 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 requirements 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 place the battery in a high temperature or near a high-temperature object;

11) Do not short circuit the positive and negative poles of the battery;

12) Do not expose the battery to moisture or water.

Caution

1) Do not expose the device to dust or moisture. Avoid water splashing to the device when using it in an environment with water. Cover the lens when not using the camera;

2) Please put the device and all accessories in the special packaging box when not using it;

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

Standard accessories:

Thermographic camera

5V2A adapter

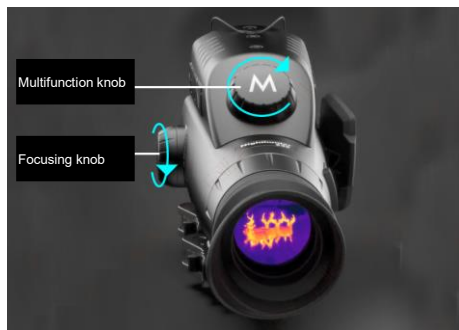Plug of American, Australian, European, British standard

Type-C connection cable

Charger

Introduction to Parts

Multifunction knob

Focusing knob

Quickstart Instructions

Buttons	Current Device Status	Short-press	Long-press	Clockwise rotation	Counterclockwise rotation
Multifunction knob	Power on	Display advanced mode	Display setup menu	Zoom in	Zoom out
	Power off	/	Power on	/	/
	Display off	Display on	Display on	Display on	Display on
	Advanced mode	Edit options or perform actions	Display setup menu	Check the next option	Check the previous option
	Menu bar display	Enter edit state or save and exit edit state	Direct exit the menu	Check the next option	Check the previous option

[Button description]

1. Multifunction knob

Power on

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

Power off

Manual power-off: Long-press the multifunction knob for 4 seconds to display the shutdown progress bar until the progress bar is completed and the shutdown is successful.

Display off

Long press the multifunction knob for 4 seconds to display the shutdown progress bar. Before the progress bar is completed, release the multifunction knob to cancel the shutdown and enter the Display Off mode.

Display on

In Display Off mode, press the multifunction knob to wake up the screen.

Icon	Icon meanings	Icon	Icon meanings
	Photo taken successfully		Recording succeeded
	Photo taken failed		Recording failed
	WiFi		Recording
	No photo		No recording
	Disable screen brightness adjustment		Disable WiFi
	Super power-saving mode		Serial mode
	Memory will be full		Memory full
	Hotspot tracking		

Select distance: Check the Distance option in Advanced Mode to set the shooting distance.

Zoom in: Check the Zoom in option in Advanced Mode to set the magnification of 1x, 2x, 4x, 8x for the real-time image.

Photo taking: Check the Photo Taking option in Advanced Mode to take a photo.

Recording: Check the Recording option in Advanced Mode to start recording, and check the End Recording option to save the video.

Compensation: Check the Compensation option in Advanced Mode to perform the compensation operation according to the set compensation method;

PIP: The device can switch between four states: off, upper left, upper middle and upper right.

Screen brightness: The device can switch among 10 levels of screen brightness.

Hotspot tracking: A cursor will appear when it is turned on, and the cursor will track the hottest spot on the entire map.

Power saving: ARM switches to low-power mode when it is turned on, OLED brightness is fixed at 20% and cannot be adjusted; WIFI cannot be turned on, if the current WIFI is already turned on, WIFI will be turned off.

Stroke algorithm: After it is turned on, there will be a white stroke of the target outline in the real-time image.

Configuration: A total of 10 groups of reticle configurations are available, and every reticle configuration group can save the corresponding type of reticle, color of reticle, and brightness of reticle.

Reticle styles: 10 reticle styles are available.

Reticle color: Reticle can be set to black, white, yellow, green, red, and blue.

Reticle brightness: The reticle brightness can be adjusted from level 1 to 10.

Zero calibration settings: Set the "X" or "Y" position of the reticle

Picture enhancement: Turn it on to adjust the imaging picture quality..

Scene mode: Three scene modes are available: Natural/Enhanced/Highlighted.

Pseudo color: It 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: Two types of compensation, i.e., scene compensation/shutter compensation, are available.

Rough ranging: It can measure the approximate distance of rabbit, wild boar and deer in m.

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.

The WiFi name is Nighthunter S35-XXXX (XXXX is the last 4 digits of the MAC address) and the WiFi password is 12345678.

Watermark settings: The Time/Date/Logo/OSD switch can be set. When it is turned on, the real-time image and photos/videos will show the related UI elements.

Automatic sleep: Automatic sleep time can be set at 5/10/15min. If no operation is made within the set time, it will enter the dormant state.

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 it will be turned off after the countdown ends.

Time format: Selectable between 12H/24H.

Date format: Selectable from YYYY-MM-DD/MM-DD-YYYYY/DD-MM-YYYYY.

Time settings: Enter the time adjustment interface to adjust the device time and date.

Language settings: Languages can be switched among English/German/French/Spanish/Italian.

Memory card formatting: All files in the device's memory can be deleted.

Restore defaults: Restore the device to its defaults. After restoring the defaults, the device will automatically reboot and the language guidance interface will appear.

Exit: Check the Exit option to return to the previous menu or to exit the Setup menu, or to exit Advanced Mode;

2. Battery status

When the thermographic camera is turned on and the battery capacity changes, the capacity indicator is displayed in the lower left corner 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 power levels below will be displayed in the upper right corner of the screen.

The power levels are as follows:

High battery

Medium high battery

Medium battery

Medium low battery

Low battery

Extremely low battery

Notes:

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

Troubleshooting

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: short-press the multifunction knob to wake up sleep and light up the screen

5. The image is blurred

Solution: turn the lens for manual focusing until the image sharpens

Storage and Transportation

1. The storage environment of packaged products is -30 ℃ ~ 60 ℃, the relative humidity is not more than 95%, without condensation and corrosive gas, and is well ventilated and clean indoor;

2. Please charge the battery once every 3 months.

Transportation:

1. It shall be protected from rain, water, upside down, violent vibration and impact during transportation, and shall be handled with care. Throwing is not allowed.

Content of the back cover:

Special statement: this Guide will be updated after the technical improvement of the product.