Quick instructions

Saim SERIE

Thermal imaging rifle scope

1. Description

The Saim series is an inexpensive thermal imaging rifle scope that can be mounted on a variety of firearms for night hunting and target observation. Its compact size and lightweight design make it easy to carry. What makes it stand out is its long operating time, unobtrusiveness and excellent ability to quickly and easily detect, recognize and identify objects or targets. The Saim series is effective at short and long range regardless of light or harsh weather conditions, i.e. in total darkness, through thick smoke, haze, fog and dust.
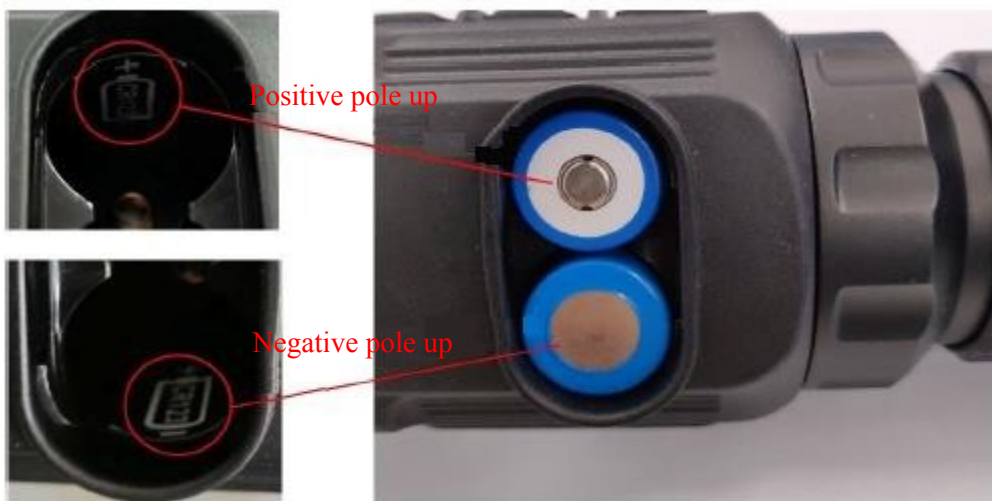

Fig.1 Components

2. Inserting batteries

Fig. 2 Inserting the batteries
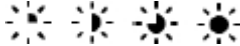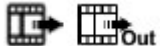
- ➢ Open the battery compartment cover counterclockwise, following the diagram on the cover.

- ➢ Insert the batteries in the correct way, as shown in Figure 2.
- ➢ When you are finished, put the cover back on and push until you hear a "click" to ensure that both sides of the cover close evenly.

ATTENTION!

- • Use ONLY disposable batteries! There are risks associated with the use of rechargeable batteries consisting of substandard quality.

- • Do not use different types of batteries or batteries with different capacities.
- • The Saim series supports an external power supply via a Type-C cable with a USB icon displayed on the screen.

3. Icons

☀	Display mode: **white hot**
☽	Display mode: **black hot**
🔥	Display mode: **red hot**
▮▮▮	Display mode: **colour**
×1/ ×2 / ×3 / ×4	E-zoom
☀ ☀ ☀ ☀	Display brightness
▲ ▲▲ ▲▲ ▲▲	Display sharpness
○	Date and time
📶	Wi-Fi
▥▶ ▥Out	Video output
▣	PIP
Ⓐ	Digital compass
⯃	Motion sensor
Ⓐ	Autocorrection mode
▬	Battery type
❋	Type of shooting ❋ G1 ❋ G2 ❋ G3 ❋ G4
▪◇▪▪	Read more
⊕	Shot
⊞	Defective pixel calibration
Ⓐ	Calibrating the compass
ⓘ	Information about the system
⊙	Factory settings
◀	Return to the main menu
▭▭▭▭▭▬	Battery indicator

4. Operation

4.1 On/Off

To turn on the powered off device, long press the **P** button for 3s and wait 6s for the thermal image to be displayed. With the device switched on, long press the **P** button for 5 seconds before the shutdown options appear. Select "√" to turn off and "×" to cancel. A short press of the **M** button confirms the selection.

4.2 Dioptric adjustment

Once the device is started, you can achieve the sharpest image by rotating the focus ring and adjusting the eyepiece.

4.3 Setting the focal length

Focusing is done by turning the lens adjustment ring.

4.4 Calibration

Short press **M + C** to correct the shutter and long press to correct the background.

4.5 Photography and filming

Press the C button briefly to take a photo. After taking the picture, the image will pause for 0.5s and the camera icon will appear in the center of the screen. Long press the camera button to start video recording and the recording duration is displayed in the upper right corner. Press the button again to end the recording (note that the video will not be saved if you skip the process and suddenly turn the device off instead). Photos and videos can be loaded to a computer using a USB cable.

4.6 Turning the sight cross on and off

For first use, long press the P + C buttons simultaneously for three seconds and click the M button four times to call up the aiming cross. Long pressing the P + M + C buttons simultaneously for three seconds serves as a shortcut to turn the crosshair on/off. This function should only be activated when the aiming cross has already been activated. When the aiming cross is turned off, all associated functions are hidden in the menu, including setting the colour and pattern of the aiming cross (in local menu 3), priming and correction of defective pixels in the main menu.

5. Local offer

In normal display mode, briefly press the M button to bring up the local menu. The page includes image mode, image sharpness, E-zoom, display brightness, crosshair color, crosshair pattern. Details are shown in Table 1.

Table 1 **Local offer**

Number of presses **M buttons**	Local offer	Functions
1x	E-zoom and brightness settings (in local menu 1) 	➤ Short Press **button P** You can do setting up E-zoom values from level one to four. ➤ Short Press button the camera to adjust the brightness value from level one to level four.
2x	Image mode and sharpness setting (in local menu 2)	➤ Short Press **button P** make mode settings - white hot, black hot, red hot and color. ➤ Short Press of the camera button to execute settings sharpness values from level one to four

3x	Setting the colour and pattern of the aiming cross (in local menu 3) 	➢ **Press the P button** briefly to adjust the colour of the sight cross - white, black, red and green. ➢ Press the camera button briefly to adjust the crosshair pattern.
4x	Exit the local menu and return to the previous page	--------

6. Main menu

➢ In normal display mode, long press the M button to enter the main menu. Items from top to bottom are: ultraclear mode, auto correction, Wi-Fi, video output, PIP, compass, motion sensor, battery type, shot type, more.

➢ Scroll up and down to switch between function items by briefly pressing the P and C buttons, the item background will turn blue.

➢ Press the **M button** briefly to set the parameters of the current option or open a menu item.

Fig.3 Main menu

6.1 WiFi

The Saim SCT series is equipped with wireless communication with external devices (computer, smartphone) via Wi-Fi.

➢ Turn on Wi-Fi in the main menu. The device will then be detected by the external device.
➢ Enter the password on the external device and establish the connection. The factory password is 12345678.
➢ You can then control the device through the APP to take photos and record videos. These will then be continuously stored on the external device.

6.2 Ultraclear mode

Ultraclear mode adds more detail to the image in inclement weather such as heavy fog, rain and snow.

6.3 Battery type

For normal rechargeable batteries, 3.7V is selected and 3V for normal dry batteries.

6.4 More (advanced)

Select "More" from the main menu interface, click the M button to open the secondary menu for additional settings that include priming, defective pixel calibration, compass calibration, system information, factory settings, and return to the main menu.

Fig. 4 Secondary menu with another menu

6.4.1 Spraying

Fig. 5 Shooting interface

Before you start shooting, please make sure that you have the crosshairs on and that you have selected the type of shooting in the advanced menu.

➢ Select spraying using the P and C buttons, press the **M button** briefly to enter the interface shown on the Figure 5. In the shooting interface, the sighting cross is shown as a small cross for position adjustment.
➢ Then aim the center of the crosshairs at the center of the target at 100 meters and fire.
➢ After the shot, locate the gunshot.
➢ **If you can see the bullet on the screen:**
  • Keep the device position fixed, long press the **M+C** buttons together to freeze the image and a snowflake icon will appear in the top left corner of the screen.
  • Press the **M** button briefly to scroll up/down or right/left. Press the **P** or **C** buttons move the sight cross to the actual impact position.

- When you're done, long press the **M** button to save and exit.
➢ **If you can see the bullet on the screen:**
  - Leave the position of the device fixed, measure the horizontal and vertical distance between the centre of the target and the projectile.
  - Depending on the measured distance, move the crosshairs up/down or right/left by pressing the **P or C** buttons. Adjust the position of the aiming cross to the distance marked on the scale and corresponding to the measured distance.
  - When you're done, long press the **M** button to save and exit.

Notes:

➢ To ensure accuracy, aim at the center of the target again and repeat until the center of the target is hit.
➢ In the shooting interface, the aiming cross moves one pixel by short pressing the **M** or **C** button in the corresponding direction and ten pixels by long pressing. The scale at the top and left of the screen shows the range of movement of the sighting cross. For the SCT35, the scale number changes by 1.71cm with each one pixel shift.
➢ There is a white dot in the firing interface that represents the original position of the sighting cross before the calibration.
➢ After firing, the centre of all sight crosses will change accordingly.

6.4.2 Defective pixel calibration

➢ In the main menu, use the up and down button to select the item for calibrating defective pixels. Press the **M** button briefly to enter the interface shown in Figure 6.
➢ In the defective pixel calibration interface, briefly press the **P** or **C** button to move the aiming cross up/down or right/left. Press the **M** button briefly to toggle between up/down or right/left movement.
➢ After selecting the defective pixels, long press the **P** or **C** button to perform calibration and press the same button to cancel. The number of calibrated defective pixels is displayed at the bottom of the screen.

➢ Repeat the above process until you have calibrated all the defective pixels and then long press the **M** button to save and exit.

Fig. 6 Defective pixel calibration interface

6.4.3 Calibrating the compass

Click the M button to select the compass calibration interface (see Figure 7). Complete the calibration by rotating in the three axial directions for 30 seconds.

Fig. 7 Compass calibration interface

6.4.4 Information about the system

Click the **M** button to view the software version information.

6.4.5 Factory settings

➢ In the advanced menu, select the item to return to factory settings by using the up and down button, then press the M button briefly to enter the reset interface shown in Figure 8.

➢ Press the **P or C** button briefly to select. The "√" character will return to the factory setting and the "×" will cancel the operation.

> ➢ When the selection is complete, briefly press the **P** button to confirm the selection and the device will restart.

Fig. 8 Reset interface

6.4.6 Return to the main menu

Click the M button to return to the main menu.

7. Keyboard shortcut instructions

For quick access to frequently used functions, Saim has keyboard shortcuts set up for the most frequently used functions in the viewing interface.

- Press the **P** button briefly to enter standby mode; press again to turn on the device.
- Long press the **P** button to switch off the device.
- Press the **C** button briefly to take a photo, the image will freeze for 0.5s and the camera icon will appear in the middle of the screen.
- Long press the **C** button to record video.
- Press the **M + C** buttons briefly to correct the shutter speed.
- Long press the **M + C** buttons to correct the background.