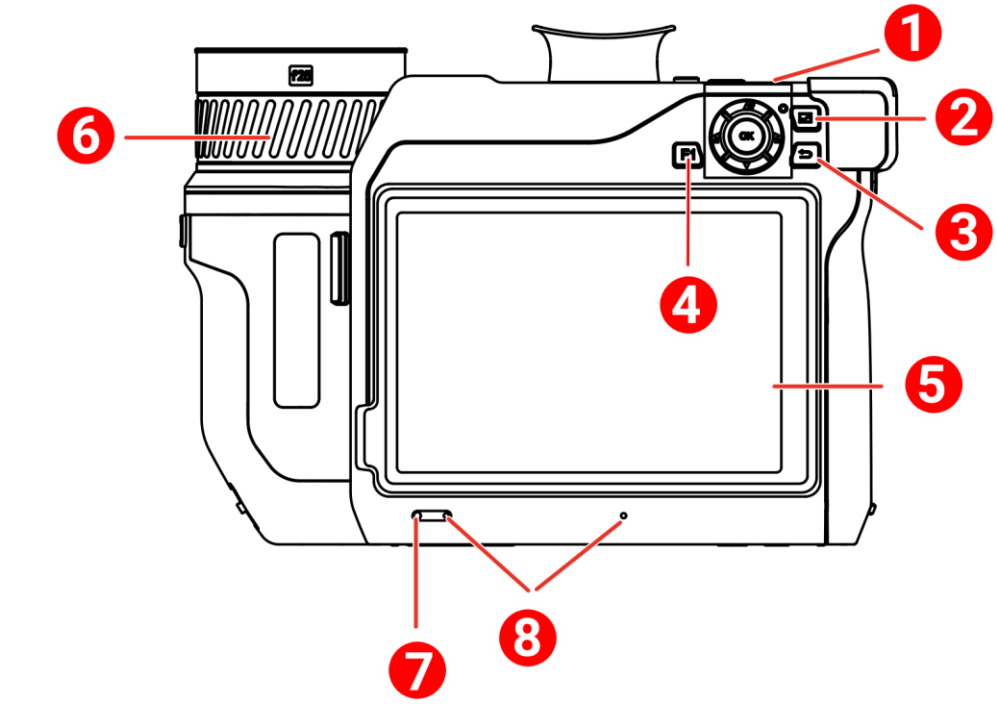
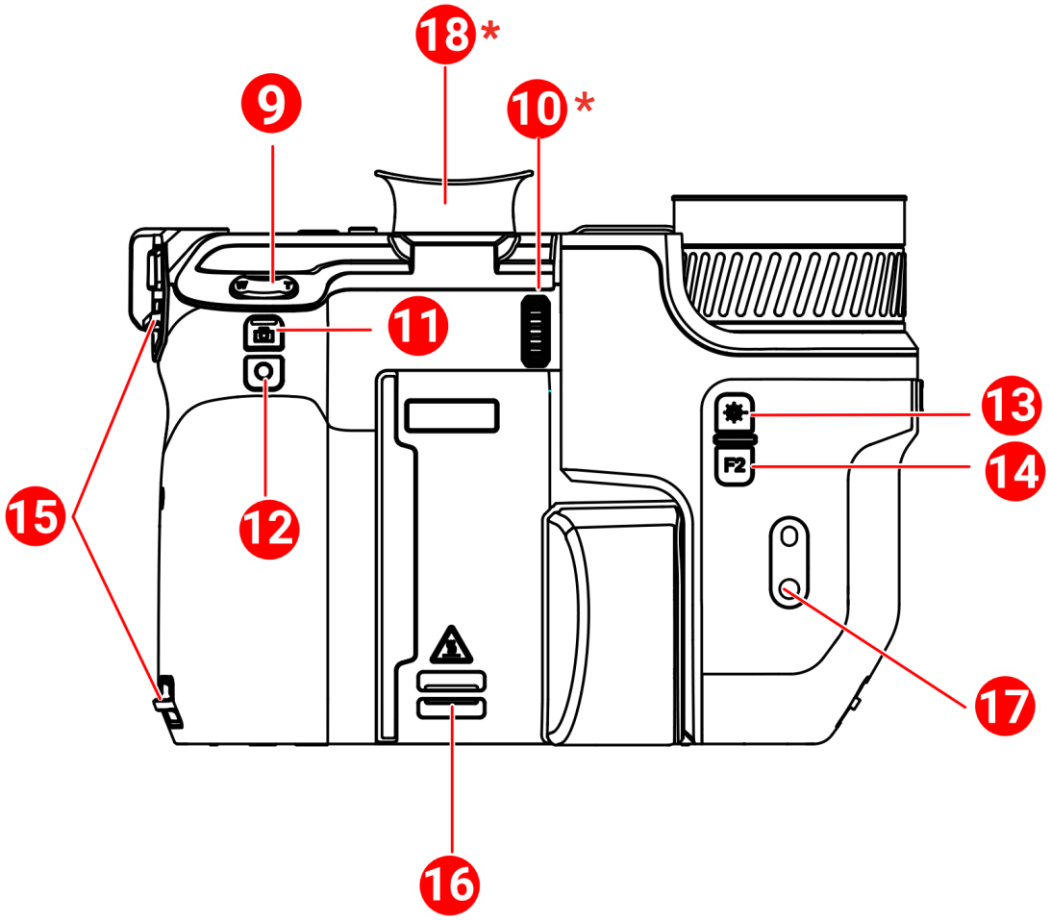
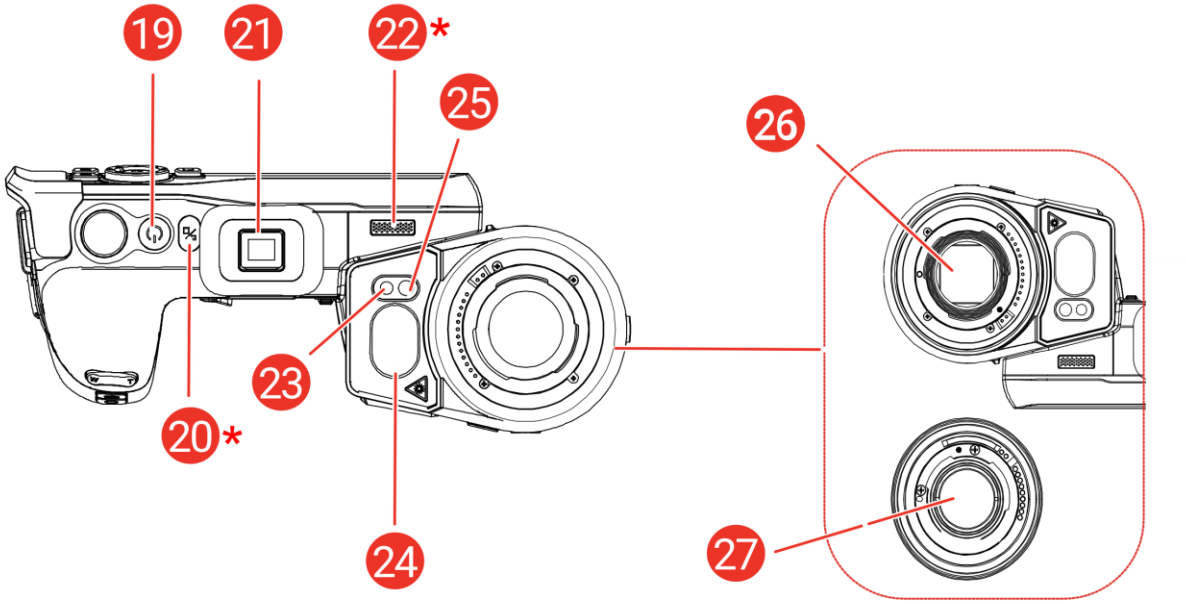
Handheld Thermography Camera
HIKMICRO SP Series

Quick Start Guide

A



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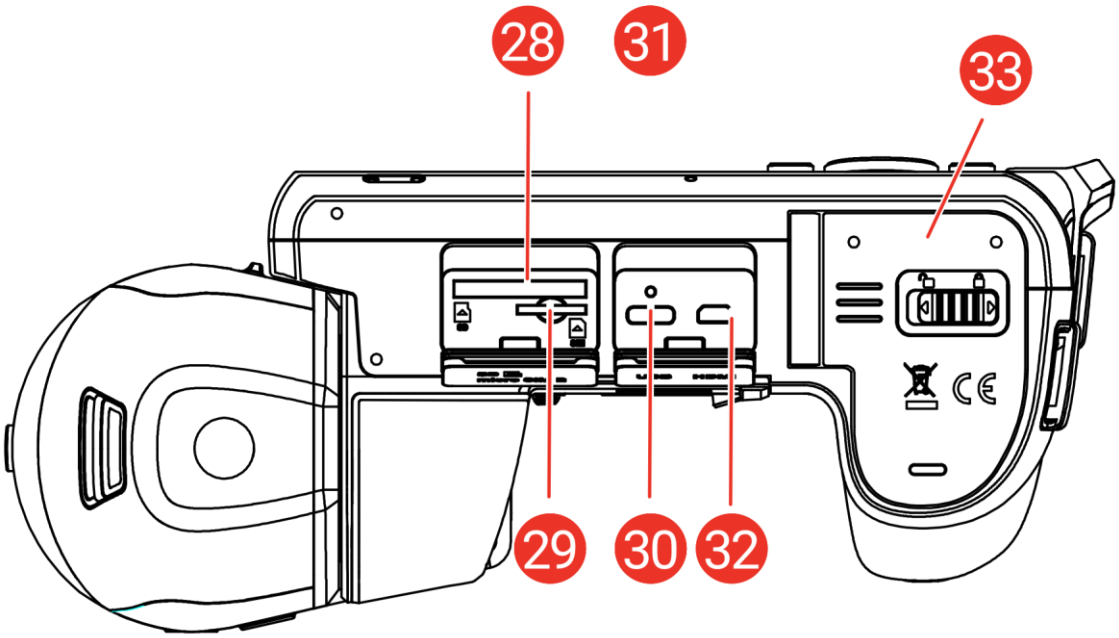
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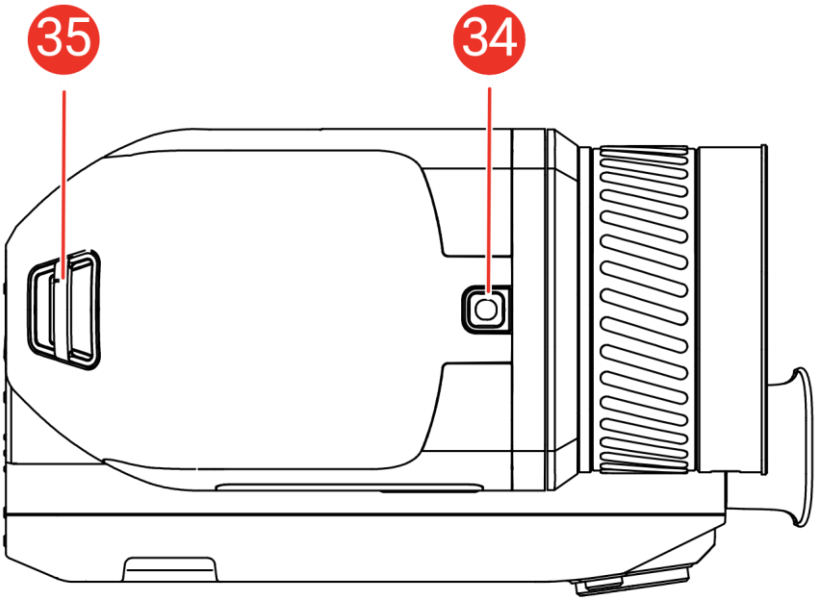

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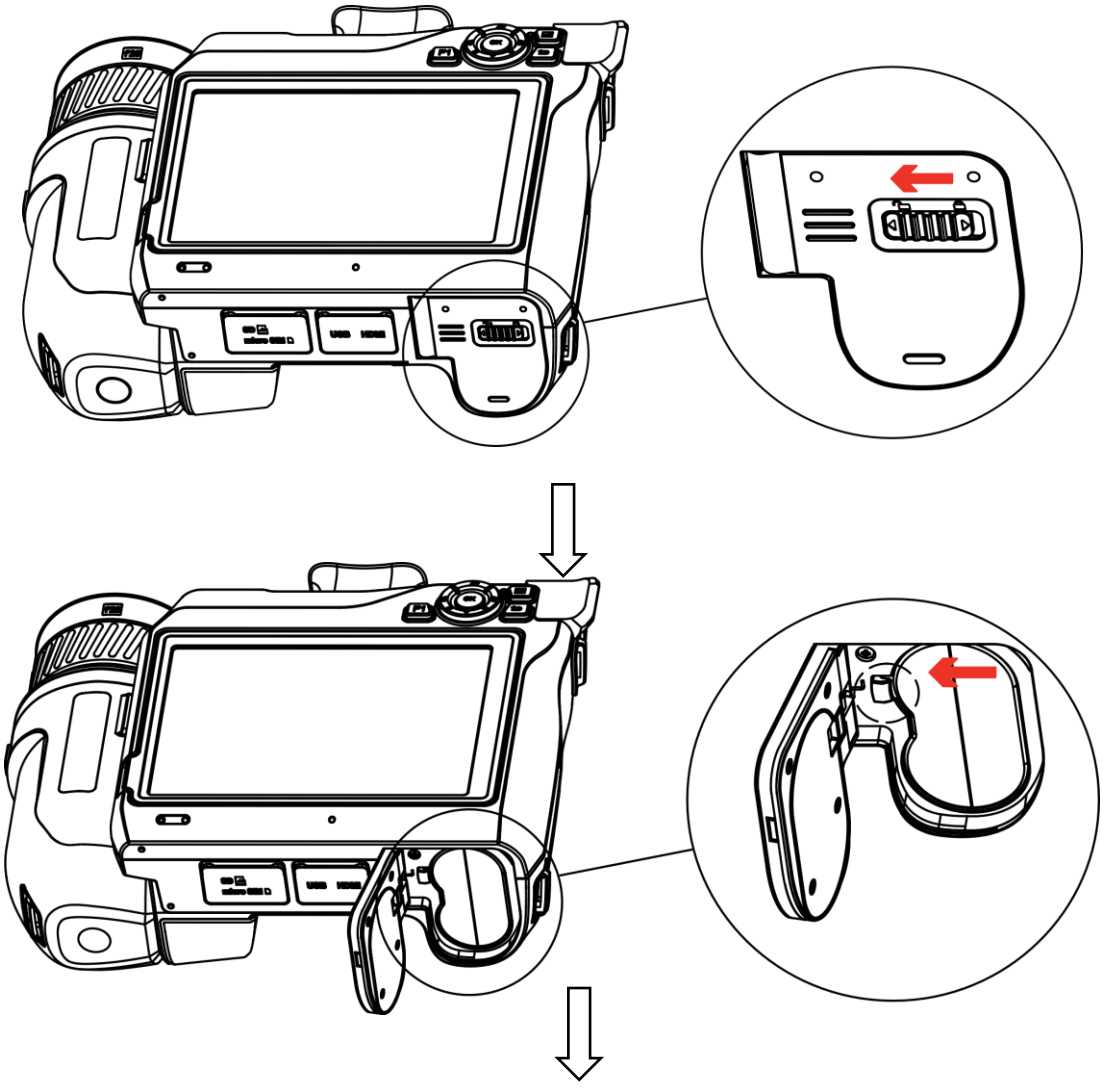

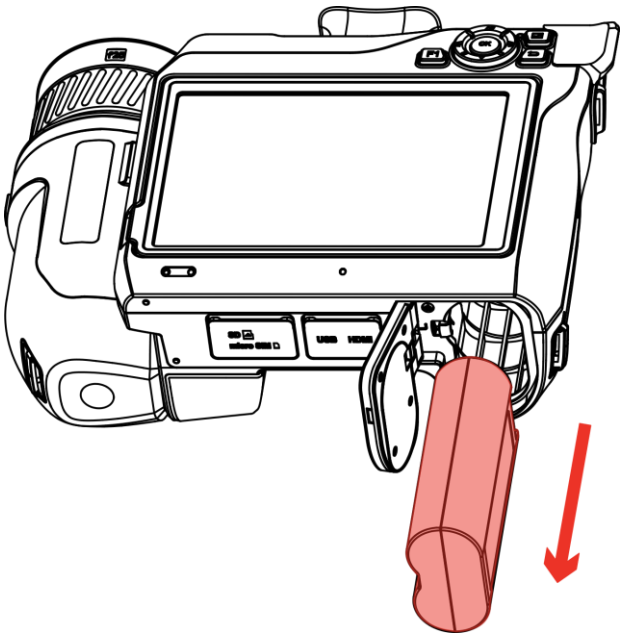

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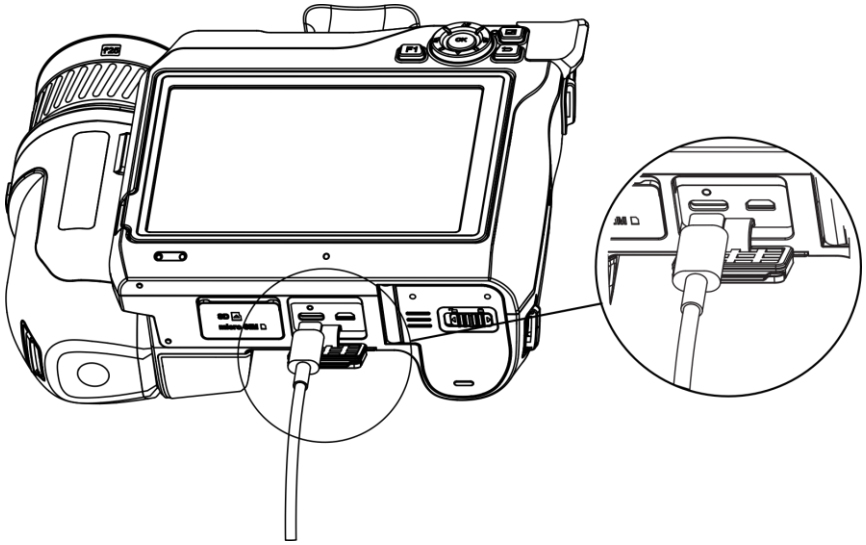

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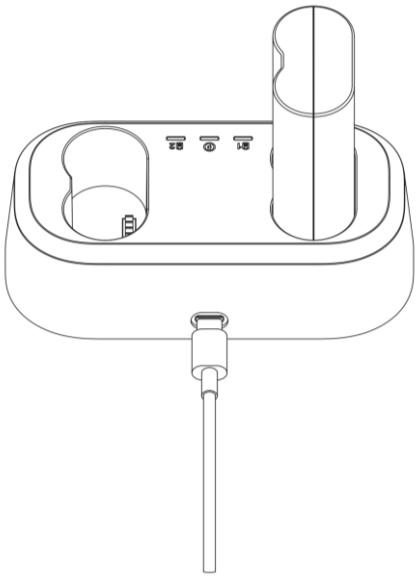

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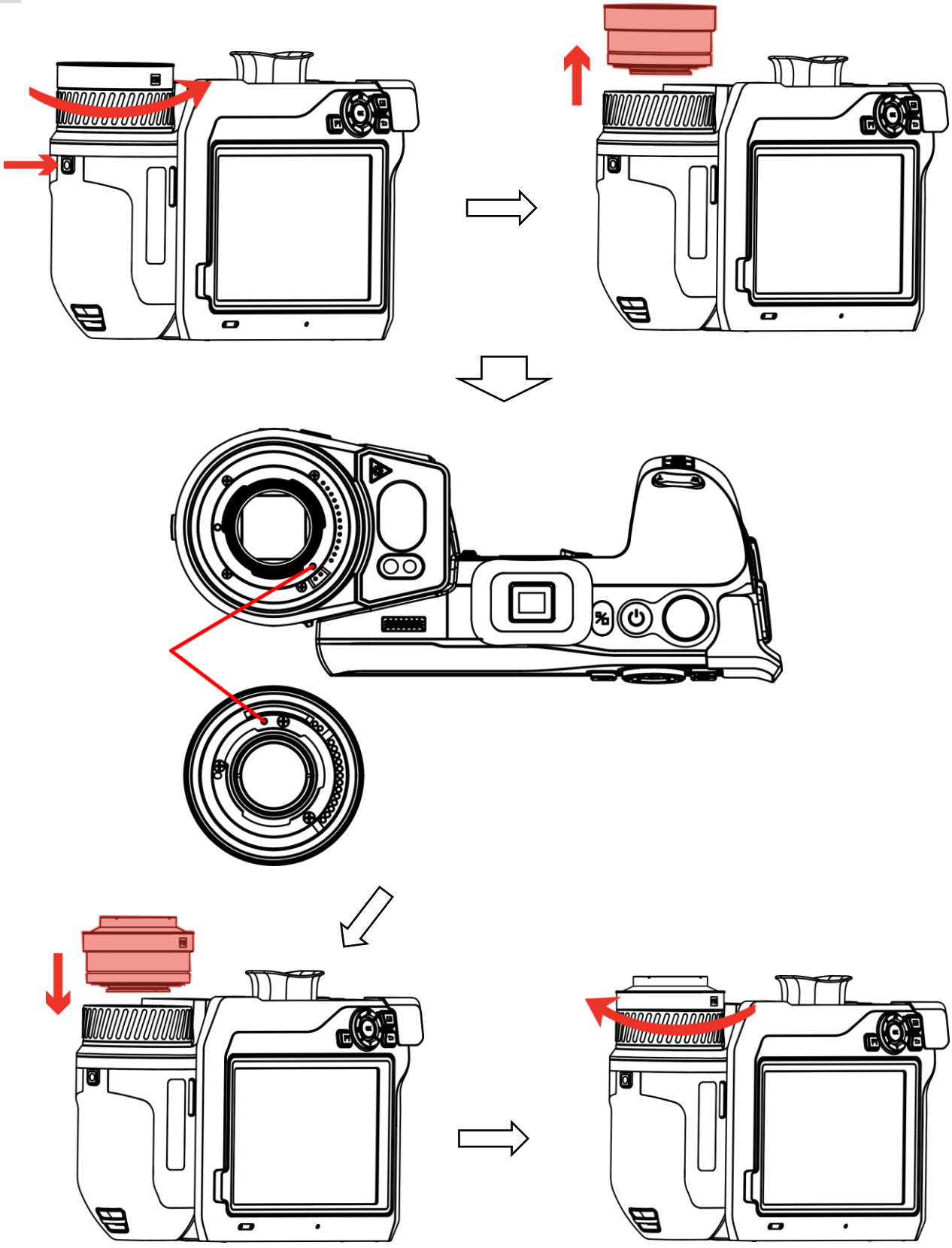

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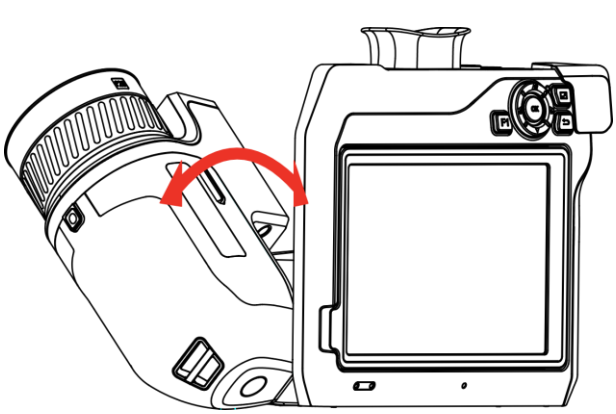

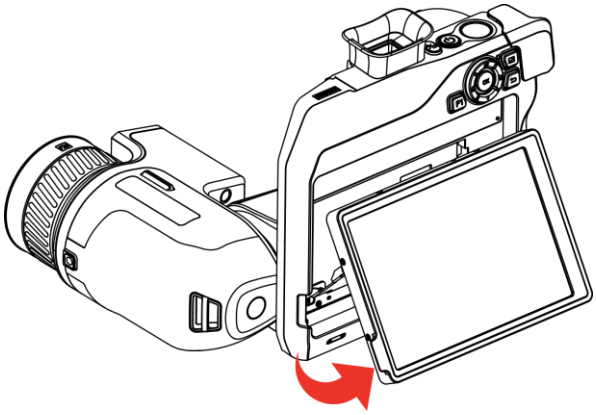

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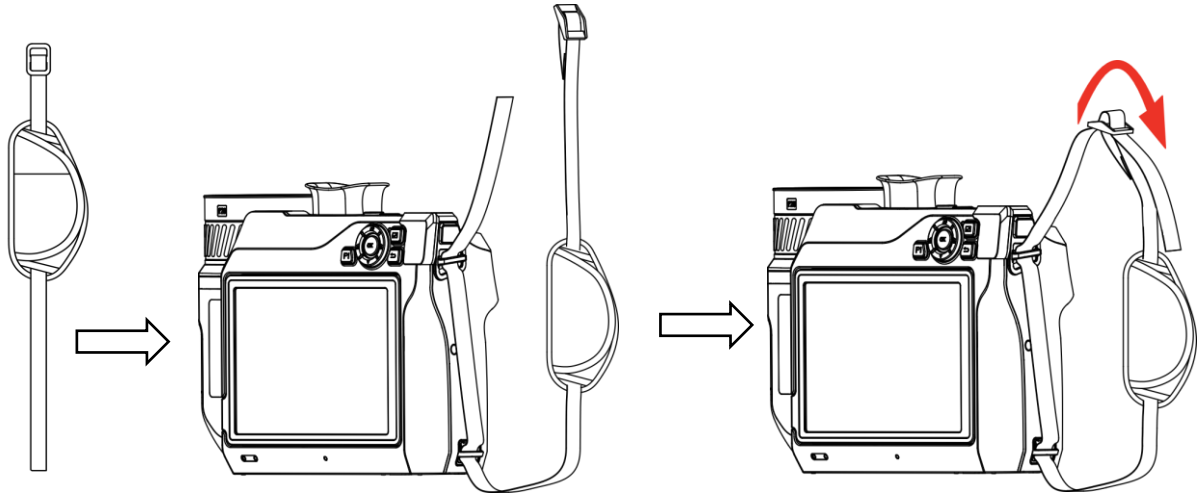

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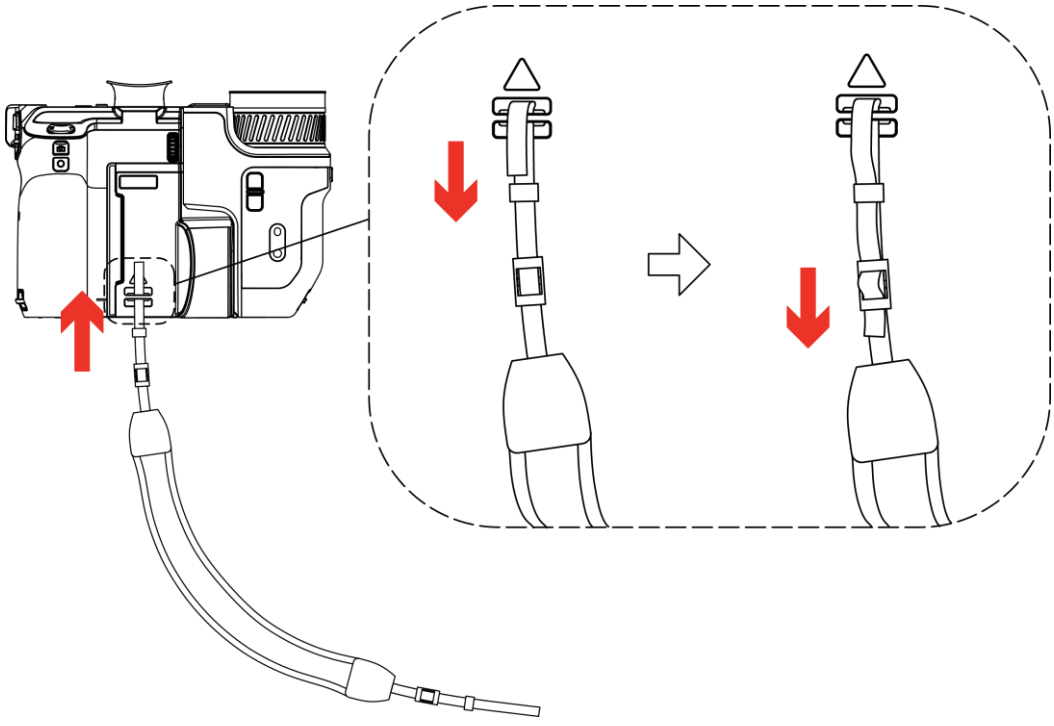

H

Android

iOS

1. Appearance

The appearance of the handheld thermography camera may vary. Please take the actual product for reference.

Component & Interface (Page 1 to 2 – A)

No.	Description	Function
1	Navigation Buttons	Menu Mode: ● Press △, ▽, ◁, and ▷ to select parameters. ● Press **OK** to confirm.
		Non-Menu Mode: ● Press △ to turn on/off the LED light supplement. ● Press ◁ and ▷ to adjust focus.
2	File Button	Press to enter albums.
3	Back Button	Exit the menu or return to previous menu.
4 & 14	Programmable Button	Press F1/F2 button to use the custom function.
5	Touch Screen	● Show the live view interface. ● Touch-screen operation.
6	Focus Ring	Adjust focus to find clear targets.
7	Light Sensor	Sense the ambient brightness.
8	Microphone	Used to add voice note.
9	Zoom Button	Press T to zoom in, and press W to zoom out.
10*	Diopter Adjustment Wheel	Adjust the dioptric correction for the viewfinder (only supported by certain models).
11	Capture Button	● Press: Capture snapshots/stop recording. ● Hold: Start recording.

No.	Description	Function
12	Focus Button	Press to start focus.
13	Laser Button	● Press: Measure the distance with laser once. ● Hold: Measure the distance with laser continuously.
15	Hand Strap Attachment Point	Mount the hand strap.
16 & 35	Neck Strap Attachment Points	Mount the neck strap.
17	Tripod Mount	Mount the tripod.
18*	Viewfinder	View live view through the viewfinder (only supported by certain models). See Display Switch Button.
19	Power Button	● Press: Standby mode/wake up device. ● Hold: Power on/off.
20*	Display Switch Button	Switch the view between the LCD display and the Viewfinder (only supported by certain models).
21	Eyepiece Plug	Protect the eyepiece (only supported by certain models).
22	Loudspeaker	Play voice note, voice alarm, and video voice.
23	Visual Lens	Generate the visual image.
24	Laser Distance Meter and Laser Output	Measure the distance with laser.
25	Supplement Light	Increase ambient brightness in dark environment.
26	Detector	Transfer optical signals to electric signals.
27	Thermal Lens	Thermal imaging

No.	Description	Function
28	Memory Card Slot	Insert the memory card in it.
29	*SIM Card Slot*	*Not Available.*
30	Type-C Interface	Charge the device or export files with the supplied USB cable.
31	Indicator	Indicate the charging status of the device. ● Solid red: Charging normally. ● Flashing red: Charging exception. ● Solid green: Fully charged.
32	Micro HDMI Interface	Connect the device with HDMI cable. A cable converter (HDMI Type D to HDMI Type A) is included in the carrying case.
33	Battery Compartment	Install the battery in it.
34	Lens Release Button	Unlock the interchangeable lens.

2. Remove the Battery (Page 3 – B)

Steps

1. Turn off the device.
2. Push the battery compartment lock leftwards to unlock the battery compartment, and then open the battery cover.
3. Push the inner battery lock (in the black circle) leftwards to release the battery.
4. Take the battery out of the battery compartment.

Note: If you want to install the battery back, push the battery into the battery compartment. The battery makes a click when it locks in place.

3. Charge the Battery

After the device starts up, the OSD (on-screen display) shows the battery status. When the battery is low, charge the device and ensure it works properly.

For the first charge, charge the device for 2 hours.

3.1 Charge Device via Type-C Interface (Page 4 – C - ①)

Steps

1. Put the battery into the battery compartment of the device.
2. Lift the cover of cable interface.
3. Plug in the cable, and connect the power supply to charge the battery.

Note:

The power delivered by the charger must be between min 38 Watts required by the radio equipment, and max 50 Watts in order to achieve the maximum charging speed. USB PD fast charging is supported.

3.2 Charge Device via Charging Base (Page 4 – C - ②)

The input voltage of the charging base is 5 VDC/2 A or 12 VDC/3 A (for fast charging). We recommend you to connect the charging base to power supply using the supplied USB type-C power adapter and USB type-C to type-C cable.

Steps:

1. Put one or two batteries in the charging base.
2. Connect the supplied charging base to the power supply. The indicator in the middle is green if it works properly.
3. The left and right indicators show the charging status of the batteries.
   - Solid red: charging normally.
   - Solid green: fully charged.
4. Draw the battery from the charging base, and disconnect charging base from the power supply.

4. Change Interchangeable Lens (Optional) (Page 5 – D)

Steps:

1. Press the lens release button and turn the interchangeable lens counterclockwise until it stops.
2. Remove the interchangeable lens carefully.

3. Align the two white index marks on the device and the lens.
4. Push the lens into position.
5. Rotate the lens clockwise to fix it. The lens makes a click when it locks in place.

Note:

If you purchase a new lens for SP series, please contact the dealer or the nearest service center for the new lens calibration.

5. Detector Cleaning

Dust on the detector may cause blemishes in the image. To avoid detector damage, we recommended you to contact the nearest dealers or our service centers for help.
If you have to clean the detector on your own, please follow the instruction.

Steps:

1. Remove the interchangeable lens carefully, as shown in page 5 – D.
2. Use pressurized air from a compressed air canister (not included) to blow the dust off.
3. If there still have blemishes, use a supplied cleanroom wiper dipped in anhydrous ethanol to wipe it.

Note:

- Wear a pair of rubber gloves or rubber finger cover (not included) at first, in case of the chemical corrosion or the remaining fingerprints.
- Please wipe the detector gently in a fixed direction.

6. Tilt Lens and Screen (Page 6 – E)

You can tilt the lens and screen, as shown in page 6 – E.

7. Mount Hand Strap (Page 6 – F)

Steps:

1. Thread the hand strap through the hand strap clutch.
2. Thread one end of the hand strap through the two hand strap attachment points.
3. Thread hand strap through the hand strap buckle (as shown in the picture), and fasten the hand strap.
4. Adjust the tightness of the hand strap as needed.

8. Mount Neck Strap (Page 6 – G)

Mount the neck strap on the neck stap attachment points (No. 16 & 34 in *Component & Interface (Page 1 to 2 –* A)) at both sides of the camera to prevent accidental falls. Thread one end of the neck strap through one neck attachment point, and the fasten collar and buckle of the strap in order. Repeat the steps to attach the other end.

9. Connect Mobile and PC Client (Page 7 – H)

Scan the QR code to download and install HIKMICRO Viewer on your phone. You can view live view, capture snapshots, record videos via the app on your phone. You can also analyze pictures offline, generate and share a report via the app.
You can download HIKMICRO Analyzer (https://www.hikmicrotech.com/en/industrial-products/hikmicro-analyzer-software.html) to analyze pictures, and generate a custom format report on your PC.

10. More Operations

Scan the QR code to obtain the user manual for more detailed operations.

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محصـولات HIKMICRO

۰۶۱۳۳۳۳۰۳۰۶ | ۰۹۱۰۸۰۶۱۸۷۱

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