



# **Attackcam S6**

[www.attackcam.net](http://www.attackcam.net)

**Handheld Thermography Camera**

**Rescue/Fire/Safety**

**User Manual**

#### **About this Manual**

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the company website

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.

### **Regulatory Information**

#### **FCC Information**

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against


harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.


**FCC Conditions**


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.
2. This device must accept any interference received, including interference that may cause undesired operation.

**EU Conformity Statement**

 This product and, if applicable, the supplied accessories are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Radio Equipment Directive 2014/53/EU, the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.

 2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info).


**Safety Instruction**

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into **Warnings** and **Cautions**:

**Warnings:** Neglecting any of the warnings may cause serious injury or death.

**Cautions:** Neglecting any of the cautions may cause injury or equipment damage.

	
<b>Warnings</b> Follow these safeguards to prevent serious injury or death.	<b>Cautions</b> Follow these precautions to prevent potential

	injury or material damage.
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#### Warnings

- The device should be used in compliance with local laws and electrical safety regulations. Refer to the appropriate documentation for detailed information.
- The device should be used in the environment within temperature range from -10 °C to 50 °C (14 °F to 122 °F), humidity ≤90%, and height ≤5000 m.
- The input voltage should conform to IEC61010-1 standard: SELV (Safety Extra Low Voltage) and the Limited Power Source (5 V DC/0.3 A).
- Make sure the plug is properly connected to the power socket.
- If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.
- The installer and user are responsible for password and security configuration and its settings.



#### Cautions

- Do not drop the device or subject it to physical shock.
- Wipe the device gently with a clean cloth and a small quantity of ethanol, if necessary.
- Do not aim the lens at the sun or any other bright light.
- When any laser equipment is in use, make sure that the device lens is not exposed to the laser beam, or it may burn out.
- Do not expose the device to high electromagnetic radiation or extremely hot, cold, dusty, or damp environments.
- Place the device in a dry and well-ventilated environment.
- Keep non-waterproof devices away from liquids.
- Keep the device in original or similar packaging while transporting it.
- A few device components (e.g., electrolytic capacitor) require regular replacement. The average lifespan varies, so periodic checking is recommended. Contact your dealer for details.
- Never attempt to disassemble the device.
- Improper use or replacement of the battery may result in explosion hazard. Replace with the same or equivalent type only. Dispose of used batteries in conformance with the instructions provided by the battery manufacturer.
- The built-in battery can not be dismantled. Please contact manufacture for repair if necessary. The battery type is E097-27-1P1S18650, and the rated voltage and capacity is 3.6 VDC/3.35 Ah (12.06 Wh). The battery may explode if it is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- For long-term storage of the battery, make sure you fully charge it every half year, to ensure the battery quality. Otherwise, you may damage the battery.

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

## Laser Light Supplement Warning

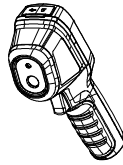


Warning: The laser radiation emitted from the device can cause eye injuries, burning of skin or inflammable substances. Before enabling the Light Supplement function, make sure no human or inflammable substances are in front of the laser lens.

SAVE THIS MANUAL FOR FUTURE REFERENCE

# 1 Introduction

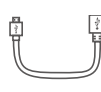
## 1.1 Box Content



Handheld Thermal Camera (x1)



Power Adapter (x1)



USB Cable (x1)



Wrist Strap (x1)



Manual (x1)

**Note:** The Handheld Thermography Camera includes one battery and one Micro SD card.

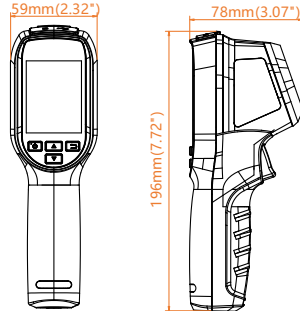
## 1.2 Product Introduction

The handheld Thermography camera is a camera with thermal images. It can do thermometry, and snapshot capturing. The built-in high-sensitivity IR detector and high-performance sensor detects the temperature change and measure the real-time temperature. The temperature measurement range is -20°C to 550 °C (-4 °F to 1022 °F) with thermometry

accuracy  $\pm 2^{\circ}\text{C}$ .  
It helps the users to find the risky part and lower their property loss. The device supports live viewing, and capturing, etc.  
The handheld Thermography camera, adopting ergonomic design, is easy to use. The device is mainly applied to various industries, such as Firefighting, Search, Police and industry, etc.

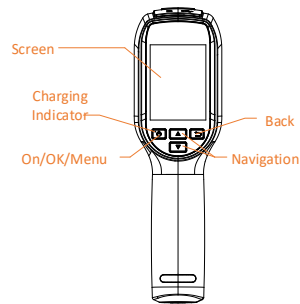
## 2 Appearance

### 2.1 Dimensions



The dimension may vary according to different camera model.

### 2.2 Interfaces




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Hold: Power On/Off  
Press: Display menu or confirm operation

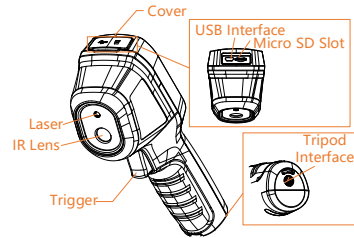
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Exit the menu or return to previous menu.

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Navigation Button  
Press the  $\nabla$ ,  $\Delta$  button to select parameter  
Press the  button to confirm.

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Charging Indicator	When the device is charging, the LED indicator is red. When the device is fully charged, the LED indicator is green.
USB Interface	Charge the battery and export snapshots with the USB cable.
Trigger	Pull the trigger to capture snapshots. When the Laser function is switched on, pull the trigger to turn on/off the laser light.



**Warning:**

The laser radiation emitted from the device can cause eye injuries, burning of skin or inflammable substances. Before enabling the Light Supplement function, make sure no human or inflammable substances are in front of the laser lens.

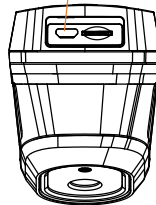
### 3 Basic Operations

#### 3.1 Charging the Device

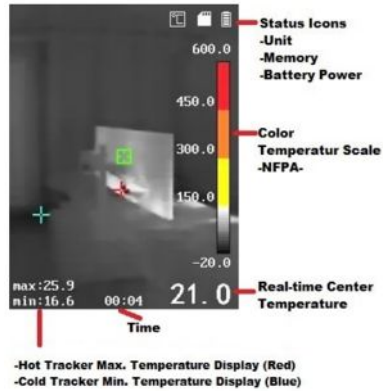
**Steps:**

1. Open the top cover of the camera.
2. Connect the USB interface and the power adaptor with USB cable.

USB interface





## 3.2 Interface Description



## Capture Snapshots

### Steps:





1. In the live view interface, pull the trigger to capture snapshot. The live view freezes and device displays the snapshot with temperature information.
2. Press  button to save the picture, press  button to cancel it.

### Note:

You can not capture when the device is connected with PC.

## 3.3 View Snapshots

### Steps:

1. Go to **Menu > Picture** to view the capture snapshots.
2. Press  button to view the selected picture, press  button to switch pictures.
3. press  to see the picture.
4. Press  button to save and exit.

## 3.4 Export File

### Purpose:

Connect the handheld Thermography camera to your PC with USB cable, you can export the captured snapshots.

### Steps:

1. Open the USB cover.
2. Connect the camera to your PC with USB cable and open the detected disk.
3. Select and copy the snapshots to PC and view the files.
4. Disconnect the device from your PC.



**Note:**

For the first time connection, the driver will be installed automatically.

Do not disconnect the USB connection from PC or pull out the Micro SD card during drive installation or it may cause the device damage.

### 3.5 Upgrade

**Steps:**

1. Connect the thermography camera to your PC with USB cable and open the detected disk.
2. Copy the upgrade file and replace it to the root directory of the device.
3. Disconnect the device from your PC.
4. Reboot the device and then it will upgrade automatically. The upgrading process will be displayed in the main interface.

**Note:** After the upgrading, the device automatically reboot. You can view the current version in **Menu > About**.

## 4 Palettes Mode

The Attackcam is started in the NFPA Mode

**NFPA Mode**



**For Fire Fighting / Rescue / Search / Safety  
Colour Temperatur Range**

**-20°      -150° Colour black-cold/white-Hot  
150°     -300° Colour yellow  
300°     -450° Colour orange  
450°     -600° Colour Red**

**More Informations over the Colour range and  
the sense under [www.attackcam.net](http://www.attackcam.net)**

Here is an example of setting the Mode.

**Steps:**

1. In the live view interface, press  to select the Palettes Mode
2. Press  button to save and exit.  
Further technical Palettes Mode to choose from:  
Black hot, White hot, Rainbow,  
Ironbow

## 5 Main Configurations






### 5.1 Rule / Cold-Hot Tracker

**Purpose:**

The thermometry (temperature measurement) function provides the real-time temperature of the scene and display it on the left of your screen. The thermometry function is turned on by default.

The thermometry parameters affect the accuracy of temperature measurement.





**Steps:**

- 1 In the live view interface, press  button show the menu bar.
- 2 Press  button to select desired setting bar.
  - Rule: Select **Hot Spot**, **Cold Spot** to show the max. temperature, min. temperature in the live view interface.
- 3 Press  button to select desired parameter, and press  button to enable it.
- 4 Press  button to save and exit.

## 5.2 Laser Configurations

Here is an example of setting laser light function.




**Steps:**

- 3 In the live view interface, press  button show the menu bar.
- 4 Press  button to select **Laser**.
- 5 Press  button to turn on / turn off laser light function.
- 6 Press  button to save and exit.
- 7 In live view interface, pull the trigger to turn on laser light, release the trigger to turn off laser light.

**Note:** Other parameters, such as temperature measurement range, unit, palettes and so on, can be configured as steps above.




## 5.3 Unit

example of setting Unit function.

- In the live view interface, press  button show the menu bar.  
Press  button to select K°/F°/C°.  
 button for save and back.



## 5.4 Restore



example of setting Restore function.

- In the live view interface, press  button show the menu bar.  
Press  for Ok and  button for cancel.

## 5.5 Auto on Off








example of setting Auto on Off function.

- In the live view interface, press  button show the menu bar.  
Press  button to select. Select between No auto off and 5/10/20 Min.  
To shut down the Cam.



Press  for Ok and  button for cancel.

## 5.6 Time & Date



example of setting Time & Date function.

In the live view interface, press  button to show the menu bar.  
Press  to choose 12h/24h.  
 button to select the Time Panel.  
Press  and Select H/M/AM-PM. Press / to adjust and with  button you are save the select. The same procedure for setting the date.

## 5.7 Save Picture/Laser

Pull the trigger to capture snapshots.  
Saving the Snapshot press  button.  
Cancel with  button.  
When the Laser function is switched on, pull the trigger to turn on/off the laser light.

# 6 System Information

Go to **Menu > About** to view the device information Press  button: Model, Version No., FPGA Version No., Serial No., Capacity and so on. You can also set the auto power-off duration, date and time in **Menu**.  button for back.

## Frequently Asked Questions (FAQ)

**Q: The charge indicator flashes red.**

A: Examine the items below.  
1. Examine whether the device is charged with the standard power adapter.  
2. Plug and unplug the battery once.  
3. Make sure the environment temperature is above 0°C (32°F).


**Q: Capturing or recording fails.**

A: Examine the items below:  
1. Whether the device is connected to your PC and the capture function is unavailable.  
2. Whether the storage space is full.  
3. Whether the device is low-battery.

**Q: The PC cannot identify the camera.**

A: Examine whether the device is connected to your PC with standard USB cable.

**Q: The camera can not be operated or no responding.**

A: Hold  button to reboot the camera.

Applications and instructions at your language.  
Waranty conditions and extensions, and  
accessories items under  
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