



Helmet Camera

Quick Start Guide

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Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

Chapter 1 Introduction

1.1 Product Introduction

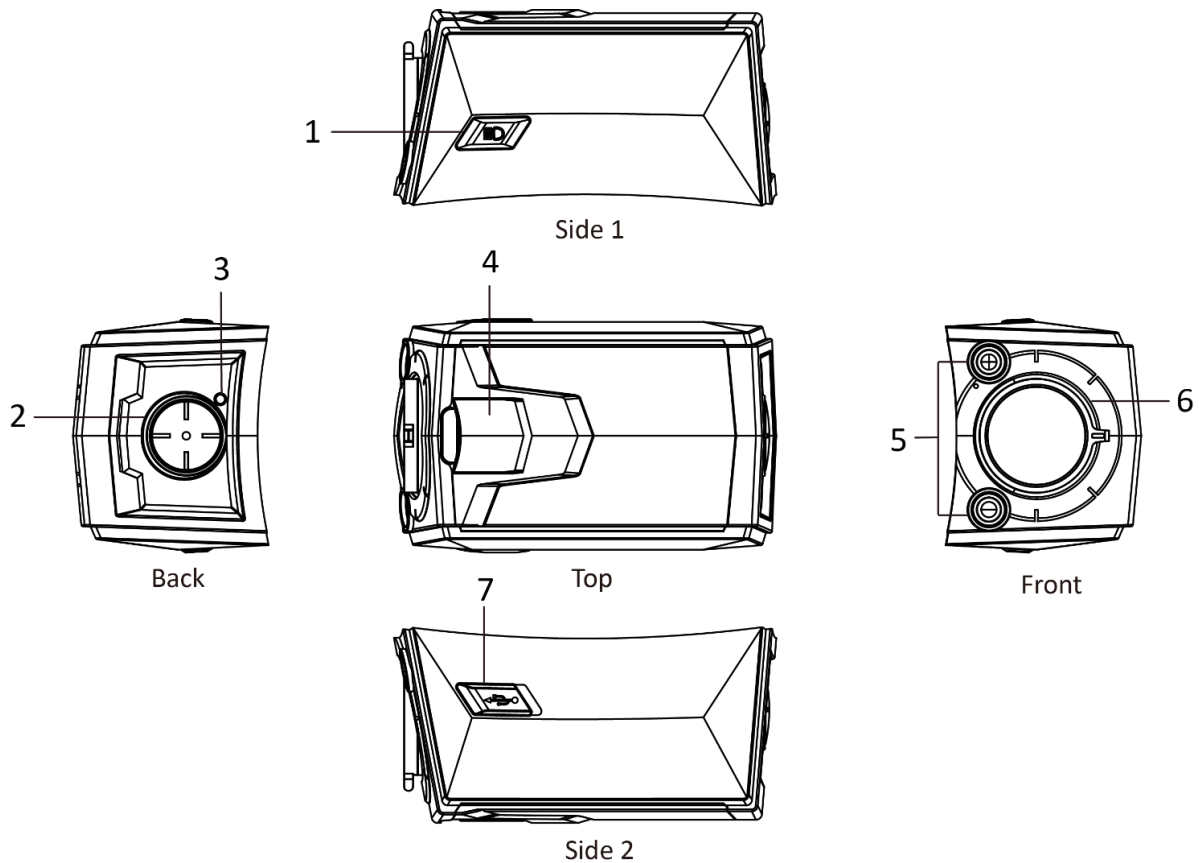
Helmet Camera (hereinafter referred to as “device”) is a head-mounted audio and video recorder that integrates functions of HD video recording, audio recording, and one-key picture capture. It supports real-time GPS positioning, remote real-time communication with the monitoring center via 4G. It realizes long battery life with built-in 2700 mAh battery. It is small and light, and convenient to carry. It can be widely used in police, security, energy, and other specific industries.

1.2 Key Feature

- 2 MP 1/2.7" progressive scan CMOS.
- Adopts H.264/H.265 encoding compression technology and outputs real-time image in max. full HD 1920 × 1080 @ 25 fps.
- Supports live view with low latency and low bit rate.
- Supports dual streams to output H.265 and H.264 streams at the same time with high compression ratio.
- Supports one-key picture capture and video recording.
- Supports 4G and Wi-Fi wireless communication.
- Low power consumption.
- The device with IR function supports ICR-free IR switching to realize IR-exposure-free IR light supplement.
- Supports IP67.

1.3 Overview

The overview of the device is shown as Figure 1-1.



Refer to Table 1-1 for the description of the device.

Table 1-1 Device Overview Description

No.	Name	Description
1	Fn button	Hold it to enable/disable Wi-Fi AP.
2	On/Off button/Record button/Capture button	● Hold it for 3 seconds to start up the device, and the device starts to record. ● After the device starts up, hold it for 3 seconds to shut it down, and the device stops recording. ● After the device starts up and is ready, press it to capture a picture.
3	Indicator	● Flashing red once slowly: Device is starting up. ● Solid green: Device is running. ● Flashing red periodically slowly: Device is recording. ● Solid red: Device is being charged. ● Indicator off: Device is fully charged.
4	Battery cover buckle	For unlocking or locking battery cover.

5	IR lights	The IR light turns on automatically at night or when the environment is dim or dark.
6	Lens	The lens can be rotated plus or minus 90° to keep the shot horizontal.
7	USB Type Interface	For charging and data transmission.

1.4 Internal LCD Description

There is a LCD after you uninstall the battery cover, displaying the overwritten record condition, rest recordable time duration, battery power, Wi-Fi status, etc., as shown in Figure 1-2. The LCD will be activated automatically after the device starts up. It will be inactivated if no any operation for more than 2 minutes, and you can activate it by pressing any button.

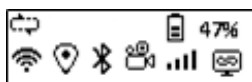


Figure 1-2 Internal LCD

Refer to Table 1-2 for icon description.

Table 1-2 Internal LCD Icon Description

Icon	Description
	● Overwritten record is enabled./Overwritten record is disabled.
/ / /	The current battery power status and the rest power percentage./The device is being charged via power adapter./The device is fully charged via power adapter./The device is connected to PC.
	● Wi-Fi is connected./Wi-Fi is disabled, or Wi-Fi is enabled but disconnected./Wi-Fi AP is enabled.
	● Positioning is enabled./Positioning is disabled./Positioning failed./Positioning exception.
	● Bluetooth is enabled./Bluetooth is disabled./Bluetooth is enabled and data are transmitting.
	● Recording/Recording stops.
	● 4G is enabled./4G network connection failed./4G is disabled.
	● Platform is connected normally./Platform connection is disabled./Platform connection failed.

Chapter 2 Device Installation

2.1 Change Battery

The device leaves factory with a battery. Change the battery if the battery is damaged.



Power off the device before changing battery.

Before you start:

Prepare a dedicated battery.

Step 1 Press the battery cover buckle according to the direction shown in Figure 2-1, and lift the cover to uninstall it.

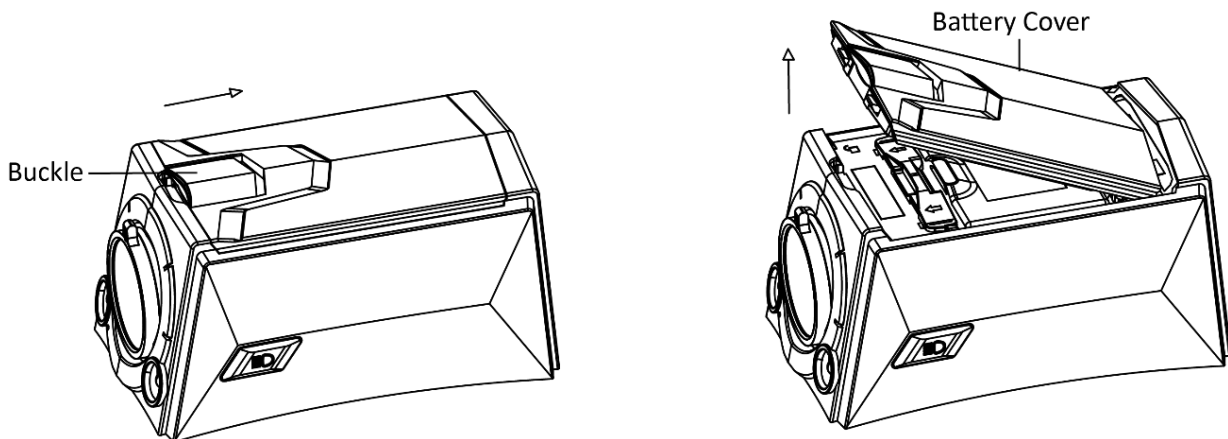


Figure 2-1 Uninstall Battery Cover

Step 2 Push the battery buckles aside, and take the former battery out.

Step 3 Change a new battery. Press it to make the battery stuck in the battery buckles.

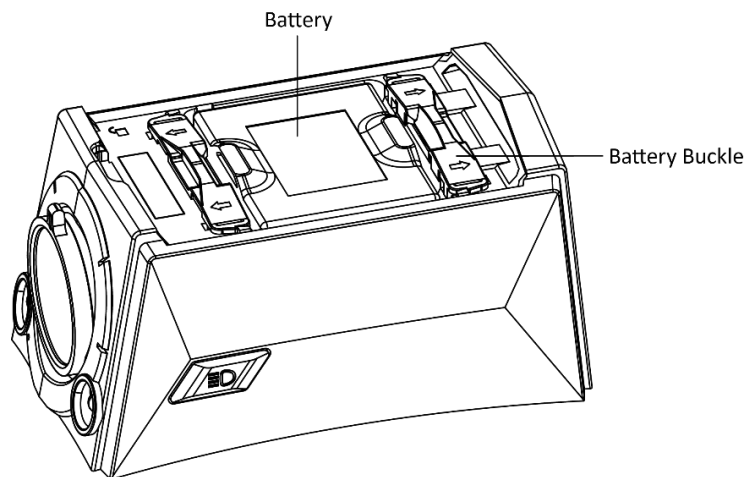


Figure 2-2 Install Battery

Step 4 Install the battery cover back.

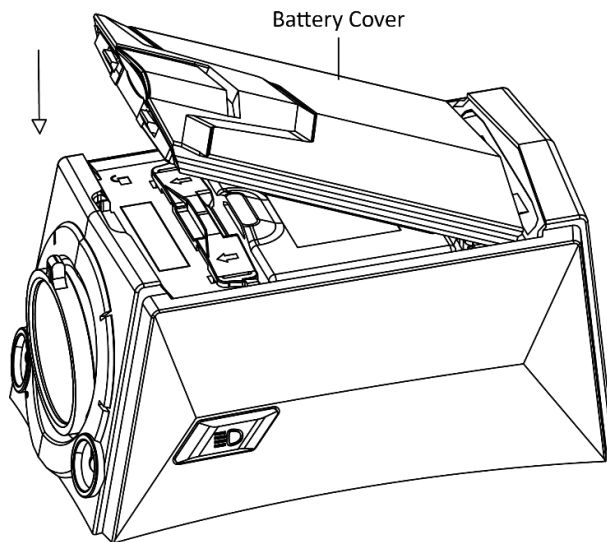


Figure 2-3 Install Battery Cover

2.2 Install Nano SIM Card

You can install Nano SIM card for network connection.



Power off the device before installing Nano SIM card.

Before you start:

Prepare Nano SIM card.

Step 1 Uninstall battery cover. Refer to step 1 of 2.1 Change Battery.

Step 2 Take the battery out.

Step 3 Unlock the card socket according to the tips on the printing.

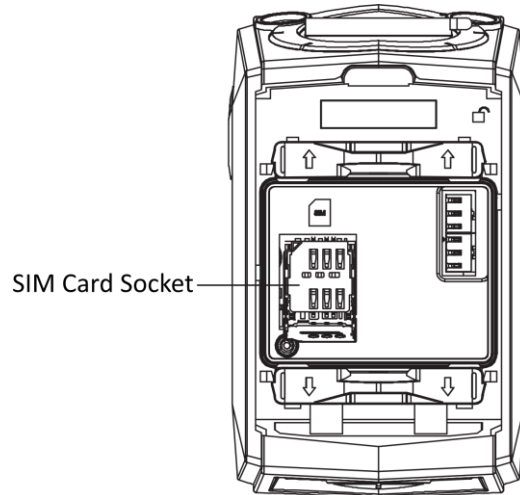


Figure 2-4 Open Card Socket

Step 4 Place the Nano SIM card according to the gap direction.

Step 5 Lock the card socket according to the tips on the printing.

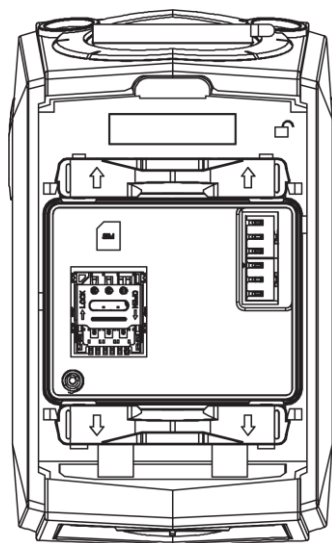


Figure 2-5 Lock Card Socket

Step 6 Install the battery back. Refer to step 2 of 2.1 Change Battery.

Step 7 Install the battery cover back. Refer to step 3 of 2.1 Change Battery.

2.3 Install Device to Helmet

The device is equipped with four fasteners (two for the front, two for the back) for helmet installation. Two fasteners have been stuck on the bottom of the device after leaving factory. Stick the other two fasteners on the helmet, and stick the device to the two fasteners on the helmet to fix it, as shown in Figure 2-6.

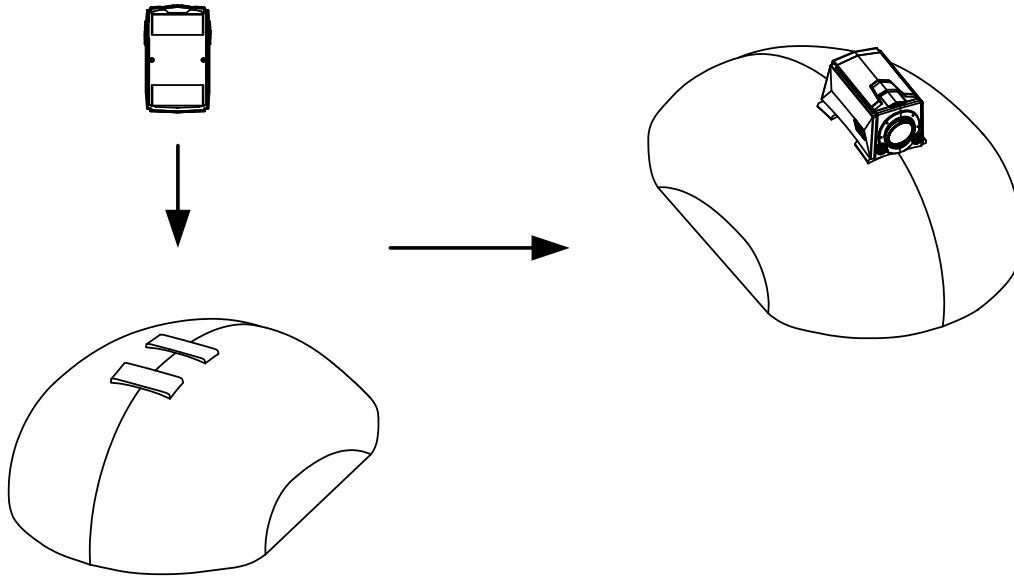


Figure 2-6 Install Device to Helmet

Chapter 3 Basic Operation

3.1 Startup and Shutdown

- **Startup:** Hold the On/Off button for 3 seconds until the indicator displays red. Then the device vibrates for 3 seconds, indicating the device has started up.
- **Shutdown:** Hold the On/Off button for 3 seconds until the indicator turns off. Then the device vibrates twice with each vibration lasting for 2 seconds, indicating the device is shut down.

**Note**

Vibration is enabled by default. You can disable vibration via the Body Camera Assistant software. Refer to the software user manual for details.

3.2 Charge

When the device power is less than 10%, it will vibrate 3 times every 30 seconds with each short vibration lasting for 0.5 seconds. Please charge it in time to ensure the device functioning.

Step 1 Open the USB Type-C interface cover.

Step 2 Insert one end of USB cable to the device, and the other end to the standard power adapter, and connect the power adapter to the power supply.

**Note**

Use the matched power adapter to charge the device.

3.3 Record

If you enable auto recording via the Mini AI Assistant application, then recording will start once the device starts up and will stop once the device is shut down. If auto recording is disabled, you can double-click the side button to start or stop recording.

**Note**

After record starts, if you connect the device to PC via USB cable, and log in to Body Camera Assistant, the record will stop.

3.4 Capture

Press the capture button, and the device vibrates for 0.5 second, indicating capturing succeeded.

Chapter 4 Device Operation via Mini AI Assistant Application

You can realize the live view, remote video playback, device configuration, file management, etc. via the Mini AI Assistant application. Scan the QR code below to get the user manual of Mini AI Assistant application.



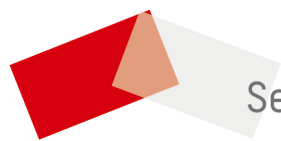
Figure 4-1 Mini AI Assistant Application User Manual QR Code

Chapter 5 Device Operation via Body Camera Assistant

You can configure the device via Body Camera Assistant. Scan the QR code below to get the user manual for details.



Figure 5-1 Body Camera Assistant User Manual QR Code



See Far, Go Further