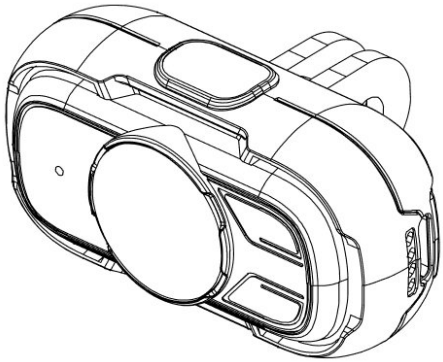
RunCam Feed Camera

Wearable POV camera for video and IMU data capture
User Manual



Before first use, read this entire manual carefully, especially Chapter 1 Safety Instructions. The product is intended for persons aged 14 and over.

Manufacturer: RunCam Technology Co., Ltd. · Importer: Rotorama, s.r.o. · www.rotorama.com

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1. Safety Instructions

Thank you for choosing the RunCam Feed Camera. Before first use, read this entire manual carefully, especially this chapter, and keep it for future reference.

1.1 Intended use

The RunCam Feed Camera is a lightweight, hands-free wearable camera for recording first-person (POV) video together with motion data from an IMU sensor. It is intended for capturing work procedures, tutorials and creative work and for collecting video data for research – wherever the operator needs both hands free. The product is intended for persons aged 14 and over. The law of the country in which the product is used is decisive for its operation; Chapters 8 and 9 describe the situation in the Czech Republic.

1.2 General precautions

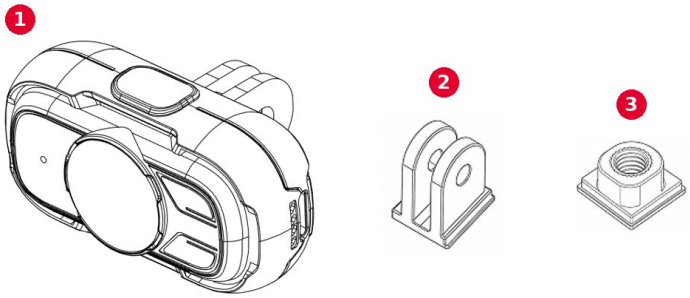
- This device **only supports 5V USB-C power**. Please use a 5V USB adapter or power bank. Use only undamaged cables, adapters and power banks intended for the EU market.
- Do not cover the heat dissipation area ⑤ (Chapter 2.2). The camera becomes warm during operation; do not leave it in direct sunlight or in a closed hot space such as a car.
- Protect the camera from water, moisture, dust, drops and strong impacts.
- Do not disassemble or modify the camera. It contains a built-in battery – do not puncture or deform it, do not throw it into fire and do not expose it to high temperatures.
- If the camera becomes excessively hot, is deformed, or emits an odour or smoke, disconnect the power immediately and stop using it.
- When wearing the camera on the head or body, route the power cable so that it does not interfere with your work, cannot get caught (especially on moving parts of machines) and does not pull on the camera.
- Do not operate the camera while driving a vehicle or during activities that require your full attention.
- Keep small parts (mount adapter, microSD card) out of the reach of small children.
- The camera records both video and sound. If your recording captures other people, comply with the data protection and privacy regulations of the country in which you use the camera (in the EU, in particular Regulation (EU) 2016/679, GDPR). Inform people who may be recorded in advance.

2. Product Overview

The RunCam Feed Camera records 1080p video together with IMU data that share a unified time base with the video frames. For each video, a motion data file (.gcsv) with the same file name is created, so that video and data can be matched unambiguously.

The camera **has no battery for stand-alone operation** – external 5V USB-C power is required for operation. The built-in battery only provides short backup during power loss to prevent damage to the file being recorded.

2.1 Package contents



Package contents

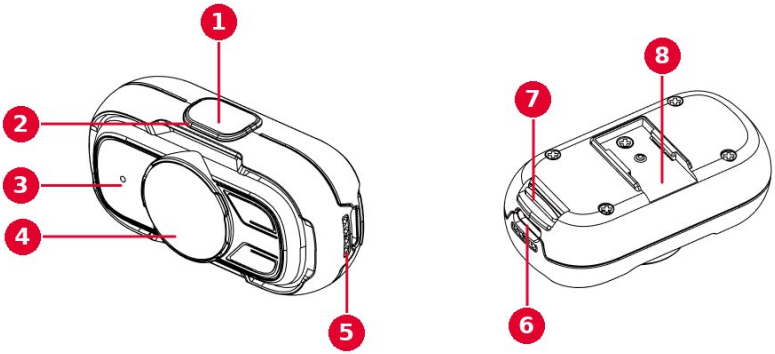
① RunCam Feed Camera – 1 pc

② mounting clip – 1 pc

③ 1/4"-20 threaded mount adapter – 1 pc

※ *The microSD card, power source (USB adapter or power bank), head strap and other mounts are not included.*

2.2 Parts

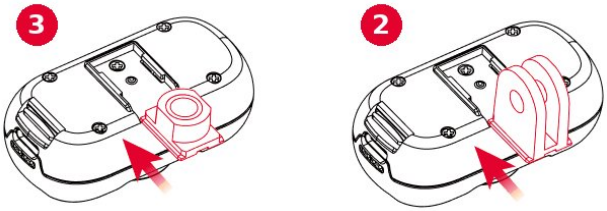


Parts (manufacturer's illustration)

No.	Part	Function
①	Button (Power / Shutter)	power on/off, start and stop recording, switch to UVC mode
②	Indicator light (blue LED)	status indication (Chapter 4.4)
③	Microphone	sound recording
④	Lens	–
⑤	Heat dissipation area	heat dissipation – do not cover
⑥	USB-C port	5V power supply, connection to a computer
⑦	microSD card slot	recording medium (Chapter 3.2)
⑧	Mounting interface (rear)	attachment of the mounting clip or adapter (Chapter 2.3)
⑨	Reset hole (rear)	forced reset (Chapter 7.1)

2.3 Mounting

Slide the mounting clip ② or the threaded mount adapter ③ into the mounting interface ⑧ on the rear of the camera in the direction of the arrow.



Mounting bracket installation: adapter ③ and mounting clip ②

- The mounting clip is used to attach the camera to a head, chest or cap mount; the 1/4"-20 threaded adapter is used for tripods and desktop clamps. Mounts are not included.
- After installation, make sure the camera is held securely in the mount and has no noticeable looseness.

2.4 Specifications

Parameter	Value
Data type	RGB video + IMU data
Field of view	approx. D: 150° / H: 126° / V: 69°
Video resolution	1080p 60fps (default) / 30fps
Bitrate	18Mbps
Video format / encoding	MP4 / H.265
Recording mode	Normal / Loop recording
IMU	ICM-42607
Microphone	built-in
Storage	microSD card required, max. 512GB
File system	exFAT / FAT32
Recommended card	U3 or higher speed class
Configuration	FeedConfig.ini (stored on the microSD card)
Power input	5V / USB-C
Power consumption (recording)	1.3W @ 1080P60FPS / 1.0W @ 1080P30FPS
Backup power	built-in battery (power-loss buffering)
USB mode	Mass Storage (U-Disk) / UVC
Material	ABS
Weight	approx. 26g

※ *The manufacturer reserves the right to change the specifications without prior notice.*

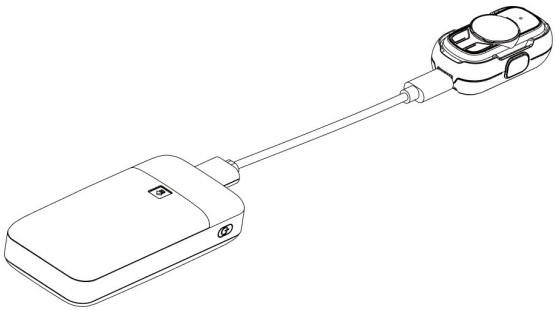
2.5 Manufacturer

Manufacturer	RunCam Technology Co., Ltd.
E-mail	run@runcam.com
Web	www.runcam.com

3. Before Use

3.1 Power supply

- **External 5V USB-C power is required for operation.** Use a 5V USB adapter, a power bank or the RunCam Power Box (not included).
- Ensure the power source is stable and has sufficient capacity for long recording sessions.
- Unstable power or low battery may cause recording interruption or file corruption.
- The built-in battery only provides short-term backup during power loss to protect recording files. To continue long-duration recording, reconnect a stable power source as soon as possible.



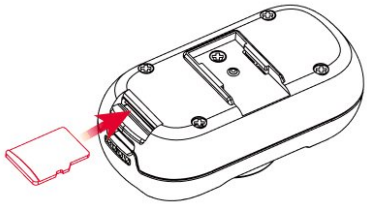
Power supply from a power bank via USB-C

▶ Long recording sessions

Under the default settings, 8 hours of continuous recording requires approximately 70 GB of storage space (please use a 128GB microSD card) and 7,000 mAh of USB power capacity.

3.2 microSD card

- A microSD card must be inserted for recording. A **U3 or higher** speed microSD card is recommended. Maximum supported capacity: 512GB.
- First-time use: format the microSD card on a PC. File system must be **exFAT or FAT32**. Also make sure sufficient storage space is available.
- Insert the microSD card into the slot ⑦ in the correct direction as shown until it is fully seated.



Inserting the microSD card

- Improper insertion or an undetected microSD card may cause recording failure or startup issues.
- **Do not remove the microSD card during recording.**

3.3 Pre-recording check

- Make sure the device, mount, and wearable accessories are securely installed.
- Make sure the microSD card is correctly inserted and has sufficient remaining storage space.
- Make sure the USB power source or power bank can provide continuous and stable power.

4. Camera Operation

4.1 Power on and off

- **Auto power on (default):** the device will automatically power on approximately 3 seconds after power is supplied. Blue LED turns on. No sound indication.
- **Manual power on** (optional via FeedConfig.ini): when auto power-on is disabled, long press the button ① for about 3 seconds to power on. Blue LED turns on. No sound indication.
- **Power off:** long press the button ① for about 3 seconds to power off the device. Blue LED turns off. No sound indication. Disconnect the power source only after shutdown.

4.2 Start recording

- **Auto recording (default):** the device will automatically enter recording mode after power on. After about 3 seconds, it gives 2 short beeps (“beep-beep”) and starts recording. During recording, the blue LED flashes slowly (1s interval).
- **Manual recording** (optional via FeedConfig.ini): when auto recording is disabled, the device enters standby mode after power on (blue LED solid on). Short press the button ① once to start recording. The device gives 2 short beeps (“beep-beep”) and the blue LED flashes slowly (1s interval) during recording.

4.3 Stop recording

- During recording, short press the button ① once to stop recording. The device gives 1 long beep (“beep——”), recording stops, and the blue LED returns to solid on (standby mode).
- Or long press the button ① for about 3 seconds to stop recording and power off. The device gives 1 long beep (“beep——”), recording stops, and the blue LED turns off.

Confirm the long beep and the steady blue LED before powering off or disconnecting power – only then is the file saved.

4.4 Status indication

Status	Blue LED	Sound
Power on	turns on	no sound
Standby (not recording)	solid on	no sound
Recording started	flashes slowly (1s interval)	2 short beeps
Recording stopped	solid on	1 long beep
Power off	turns off	no sound

Status	Blue LED	Sound
microSD card error (undetected / error)	flashes rapidly (3 times/s)	3 short beeps
Low internal battery (no external power)	–	3 short beeps, repeated every 2 s
Firmware upgrade (approx. 3 min)	flashes twice, 3 s interval, repeating	no sound; when completed 1 long beep and the device powers off

4.5 During recording

- Maintain continuous and stable power to the device.
- Do not remove the microSD card or disconnect the power source.
- Avoid touching the mount or changing the wearing position.
- Prevent the USB cable from being pulled, tangled, or interfering with the user's operation.
- If abnormal beeps or LED indications occur, pause the task and check the device.

4.6 Adjusting the view with live preview

Correct installation and camera angle are essential for obtaining stable and valid first-person-view data. Before formal recording, confirm the view in a live preview on a computer:

① Connect the device to a desktop or laptop computer using a USB-C data cable.

② After power-on, short-press the button ① to enter webcam (UVC) mode and select the device in the camera app.

③ While maintaining a normal wearing position, adjust the camera tilt so that the target area and key task elements are fully visible, centered and not cropped.

④ Tighten the mount once the view is correct and recheck the live image to confirm the angle has not shifted.

⑤ Disconnect the device from the computer and connect it to the power source for recording.



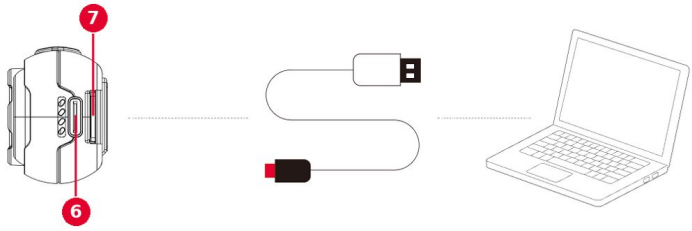
Example of adjusting the view with live preview (head strap not included)

※ To view the live image on other devices or applications, use a compatible data cable, such as USB-C to USB-C.

5. Computer Connection and Files

5.1 Mass Storage and UVC mode

- When a microSD card is inserted and the device is connected to a PC via a data-capable USB-C cable, it will enter **Mass Storage (U-Disk)** mode after power on. Files on the microSD card can be accessed directly from the computer.
- While connected via USB, the device can be switched to **UVC (webcam)** mode by short pressing the button ① after power on.



Connection to a computer: ⑥ USB-C port, ⑦ microSD card slot

※ Mass Storage / UVC mode performance may vary depending on the host device, operating system, software, USB-C cable, and power conditions. If the device is not recognized, please try a different USB-C cable or USB port.

5.2 Exporting and checking files

① Connect the device to a computer via a USB-C data cable.

② The device enters USB storage mode automatically.

③ Open the storage directory and copy the files to the target folder. Recordings are stored in the *DCIM* folder, e.g. *DCIM/100RUNCAM* (files *Runcam_Feed_0001.MP4* and *Runcam_Feed_0001.gcsv*).

④ Always copy **both files** – the .mp4 video and the corresponding .gcsv file – and keep them in the same folder.

▶ Checking the collected files

- Confirm that the video files can be opened and played normally.
- Confirm that the recording duration is generally consistent with the actual task duration and that the target area is fully visible.
- The video file and its corresponding IMU data file use the same file name and differ only in the file extension.
- After the check, name, categorize and back up the files. Only after confirming the backup, format the microSD card if needed for the next task.

5.3 Configuration file FeedConfig.ini

- A configuration file named **FeedConfig.ini** will be automatically generated on the microSD card after the first power on.
- Users can edit this configuration file on a computer to modify device parameters, such as auto power-on and auto recording. For detailed configurable parameters, please refer to the FeedConfig.ini file content.
- After modification, save the file and restart the device – configuration changes take effect only after device restart.

▶ **Notes**

- Incorrect parameter settings may cause abnormal function or failure to take effect.
- Do not modify unknown parameters.
- It is recommended to back up the original configuration file before editing.

6. Firmware Update

Firmware update is not required for normal operation. The device is shipped with a stable firmware version. Firmware updates shall be performed when specific issues occur or under instructions from technical support.

▶ Before updating

- Ensure the device is connected to a stable 5V USB-C power source during the upgrade process to avoid interruption.
- Firmware download: https://dl.runcam.cn/runcam/download/Feed.bin

▶ Update steps

Step	Action
01	Download the firmware package on a computer and extract it if necessary to obtain the **Feed.bin** file.
02	Copy the Feed.bin file directly to the root directory of the microSD card (do not place it in any folder, and do not rename the file).
03	Insert the microSD card into the device and power it using a stable 5V USB-C power source.
04	After power-on, the device will automatically detect the firmware file on the microSD card and enter update mode.
05	During the update, the blue LED flashes twice with a 3-second interval in a repeating cycle, with no sound indication. The update takes approximately 3 minutes.
06	After the update is completed, the device gives 1 long beep (“beep——”) and powers off automatically.

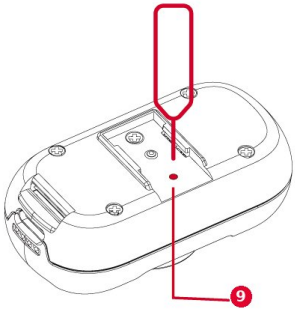
Do not disconnect power or perform any other operations during the update.

7. Troubleshooting, Maintenance and Support

7.1 Device cannot power on

- **Low built-in battery level:** connect the device to a stable USB power source and charge for at least 30 minutes before retrying.
- **USB power source or data cable issue:** check the USB power source and cable, ensure a secure connection, or try another cable or power source.
- **Device failed to start:** with stable USB power connected, press and hold the button ① to restart the device.

If the device still cannot power on, press the reset hole ⑨ with a thin pin to perform a forced reset, then reconnect power and retry.



⑨ Reset hole on the rear of the camera

7.2 Device cannot power off normally

- Confirm recording has stopped and the blue LED is steady.
- Disconnect the external USB power supply if the device remains unresponsive.
- Press and hold the button ① until the blue LED turns off.

If the device still cannot power off normally, press the reset hole ⑨ with a thin pin to perform a forced reset.

7.3 Device cannot record

▶ **microSD card**

- If a microSD card error is detected after power-on, the blue LED flashes rapidly and the device emits three short beeps.
- Confirm the microSD card is correctly inserted, the file system is FAT32 or exFAT, sufficient storage space is available and the card is rated U3 or higher.
- If necessary, back up the data using a computer, then reformat the microSD card or test with another card that meets the requirements.

▶ External power supply

- Confirm the USB power source provides continuous and stable power and that the power bank has sufficient power.
- Confirm the USB data cable is secure, undamaged, and properly connected.
- After a power interruption, reconnect a stable power source and confirm the recording status.

7.4 Device not recognized by the computer

- Check whether the USB-C cable supports data transmission (some cables are for charging only).
- Try a different USB-C cable or USB port.

7.5 Maintenance and storage

- Clean the lens only with a soft, dry microfibre cloth. Do not use solvents or abrasive cleaners.
- Store the camera in a dry place, away from direct sunlight and heat sources, without the microSD card inserted.
- During longer storage, connect the camera to power from time to time so that the built-in battery is not fully discharged.

7.6 Technical support

If issues occur during use, check the following first: microSD card compatibility, whether the USB-C cable supports data transmission, and power supply stability. For further assistance, please contact the manufacturer's technical support (e-mail run@runcam.com, www.runcam.com) or the seller from whom you purchased the product (Chapter 8.1).

8. Information for the EU and Czech Market

8.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

8.2 Product conformity

CE

- The product bears the **CE** marking and complies with the requirements of the applicable European Union harmonisation legislation.
- A copy of the **EU Declaration of Conformity** is available from the importer at the address stated above or at the e-mail address info@rotorama.cz.
- **Product identification:** the type designation (RunCam Feed Camera) is given on the product or on its packaging.

8.3 Disposal of electrical equipment and batteries



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste**.
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The product contains a built-in rechargeable battery. Where possible, hand it over together with the device – do not dispose of the battery in mixed waste or in fire.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu.

9. Warranty and rights arising from defective performance

Rights of the buyer under Czech law

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 8.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.