



**Powerology**

**LENS0 Pocket-Sized Gimbal Camera**

SKU: PWESPC05BK

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## **Product Introduction**

The LENS0 Pocket-Sized Gimbal Camera is a compact 3-axis stabilized camera built for creators on the move. With a 16MP CMOS sensor, an F/1.8 auto-focus lens, up to 75MP still capture and 4K UHD video, it delivers smooth, high-resolution footage in a device small enough to slip into a pocket. A 1.72" IPS touchscreen, 330° auto face tracking, +30 creative filters and eight shooting modes let you frame, film and share moments with confidence — whether you're travelling, vlogging or capturing everyday life.



## **Structural Diagram**

The camera integrates a 3-axis gimbal head with a 1.72" IPS touchscreen, a mode button, a shutter/record button, a 4-way navigation joystick, a power button and a function switch on the side. A USB-C port and microphone are located on the body for charging and audio capture.



- |                                       |                                  |                          |
|---------------------------------------|----------------------------------|--------------------------|
| 1. Gimbal camera head with F/1.8 lens | 2. 3-axis motorized gimbal       | 3. 1.72" IPS touchscreen |
| 4. Power button                       | 5. Function / mode switch button | 6. M (Mode) button       |
| 7. Shutter / record button            | 8. Navigation joystick           | 9. Microphone            |

## **Package Contents**

1. Camera
2. USB-A to USB-C Cable
3. Camera Cloth
4. Strap

## 5. Bag

# | Safety Information

### Warning:

1. Do not immerse the camera in water or expose it to heavy moisture.
2. Do not expose the device to fire, high heat, or direct sunlight for extended periods.
3. Do not disassemble, modify, or attempt to repair the camera or its built-in battery.
4. Do not drop, throw, or subject the device to strong impacts, as this may damage the gimbal motor and lens.
5. Do not obstruct or forcibly rotate the motorized gimbal axis by hand during operation.
6. Do not charge the device with a power source exceeding the rated 5V/2A input.
7. Do not use a damaged USB-C cable or charger, as this may cause fire or electric shock.
8. Do not stare directly into the lens area during use or point the camera at intense light sources such as the sun, which may damage the sensor.
9. Keep the device and small accessories such as the strap and TF card out of reach of children to avoid choking hazards.
10. Do not operate the camera while driving or in any situation that requires your full attention.
11. Stop using and charging the camera immediately and contact customer support if the device becomes abnormally hot, swollen, deformed, emits odour or leaks.
12. Do not puncture, crush, short-circuit or incinerate the built-in lithium battery; dispose of the device in accordance with local battery-recycling regulations.

## Attention:

1. Please follow the instructions provided in the manual.
2. Charge the device in a well-ventilated area and avoid covering it during charging to prevent overheating.
3. Clean the lens only with the included camera cloth; avoid abrasive materials or harsh solvents.
4. Insert and remove the TF card gently and only when the device is powered off to prevent data loss or damage.
5. Avoid using the device in extreme temperatures, dusty environments, or flammable and corrosive conditions.
6. When storing the camera for long periods, recharge the battery every 6 months to preserve battery life.
7. Use only compatible tripods and mounts to ensure stable support and prevent falls.
8. In case of any malfunctions or warranty claims, please contact customer service.
9. Charge the camera indoors in a dry environment; do not use the USB cable or a USB adapter in wet or damp conditions.
10. The built-in battery includes protection against overcurrent, overvoltage, short-circuit and over-temperature; nevertheless, always use a certified 5V/2A power source and the supplied cable.



## Usage & Operation

### 1. Charging the Camera

Connect the included USB-A to USB-C cable to the USB-C port on the camera body.

Plug the other end into a certified 5V/2A USB power source (USB power adapter not included).

A full charge takes approximately 220 minutes.

Once fully charged, the camera provides up to 190 minutes of working time.

Charging and recording at the same time is not recommended; disconnect the cable before powering on for use to avoid overheating.

## **2. Powering On and Off**

Press and hold the power button for about 2 seconds to switch the camera on.

Wait for the gimbal to complete its self-calibration.

Press and hold the power button again to switch the camera off.

Use the auto power-off timer (3, 5 or 10 minutes) to conserve battery.

## **3. Inserting the Memory Card**

Power off the camera before inserting or removing the card.

Open the TF card slot on the body.

Insert a TF card up to 256GB (not included) with the contacts facing the correct direction.

Close the slot and power the camera on; format the card from the settings menu on first use.

## **4. Taking Photos and Recording Video**

Press the M button to switch between photo, video and other shooting modes.

Use the touchscreen or joystick to frame your subject.

Half-press the shutter for auto-focus, then fully press to capture a photo.

Press the shutter/record button once to start video recording; press again to stop.

Select filters, resolution and frame rate from the on-screen menu.

## **5. Using Auto Face Tracking**

Enter the shooting screen and open the tracking menu on the touchscreen.

Tap a face or subject on the display to lock tracking.

The gimbal will rotate up to 330° to keep the subject centered as you move.

Tap the screen again or exit tracking to release the subject.

## **6. Connecting Wi-Fi and the App**

Download and install the HDVCAM app on your smartphone.

Enable Wi-Fi in the camera's settings menu.

Open the app and select the camera from the device list.

Enter the on-screen password if prompted to complete pairing.

Use the app for live view, remote shutter, file transfer and firmware updates.

## **7. Using as a Webcam**

Power on the camera and enter the settings menu.

Select the Webcam function.

Connect the camera to a computer using the USB-C cable.

Choose the camera as the video source in your conferencing or streaming software.

## Specifications

|                       |                                                                               |
|-----------------------|-------------------------------------------------------------------------------|
| Rated Input           | 5V/2A                                                                         |
| Battery Capacity      | 2400mAh                                                                       |
| Sensor                | CMOS 16MP Sensor                                                              |
| Lens                  | AF Lens, F/1.8, f=3.95mm                                                      |
| Auto Focus Range      | 20cm to Infinity                                                              |
| ISO Range             | Auto, 100–6400                                                                |
| Exposure Compensation | –3.0EV to +3.0EV                                                              |
| Image Format          | JPG                                                                           |
| Image Resolution      | 75MP Max                                                                      |
| Video Format          | MP4                                                                           |
| Video Resolution      | 4K@30FPS / 2.7K@30FPS /<br>FHD@60FPS / HD@60FPS                               |
| Storage               | Up to 256GB TF Card Support (Not Included)                                    |
| Recording Modes       | Photo, Video, Slow Motion, Loop Recording, Time Lapse, Interval, Burst, Timer |
| Self-Timer            | 2s, 5s, 10s, 15s, 30s                                                         |
| Power-Off Timer       | 3min, 5min, 10min                                                             |
| Wi-Fi                 | HDVCAM App Support                                                            |
| Connectivity          | USB-C                                                                         |
| Charging Time         | 220 Minutes                                                                   |
| Working Time          | 190 Minutes                                                                   |

|                |                       |
|----------------|-----------------------|
| Product Size   | 48.1 x 36.7 x 161.5mm |
| Product Weight | 163g                  |
| Model Number   | PWESPC05              |



## **Key Features**

1. 3-axis gimbal stabilization for smooth, shake-free video
2. 330° auto face tracking keeps your subject perfectly centered
3. 75MP maximum photo resolution with a 16MP CMOS sensor
4. 4K UHD video recording with high frame rate options up to 60FPS
5. F/1.8 auto-focus lens with a focus range from 20cm to infinity
6. 1.72" IPS touchscreen for intuitive framing and control
7. 8 shooting modes and +30 creative filters for every moment
8. Built-in Wi-Fi with HDVCAM app for smart control and sharing
9. Webcam function for video calls and streaming
10. Tripod mount compatible for versatile shooting setups

## **Care & Maintenance**

### **1. Handling the Gimbal**

Do not force the gimbal head by hand; let it move on its own motors.

Always power the camera off before placing it in the carry bag.

Allow the gimbal to complete self-calibration on start-up before use.

### **2. Cleaning the Lens and Screen**

Use only the included camera cloth to wipe the lens and touchscreen.

Do not use alcohol, solvents or abrasive cleaners on the lens.

Blow away loose dust before wiping to avoid scratching.

### **3. Storage**

Store the camera in the included bag when not in use.

Keep away from direct sunlight, high heat, humidity and dust.

For long-term storage, store the battery at around 50% charge and top up every 6 months to preserve battery life.

Avoid dropping or exposing the camera to strong impacts.

### **4. Battery Care**

Charge only with a 5V/2A USB power source.

Do not leave the camera plugged in indefinitely once fully charged.

Do not attempt to open the camera or replace the internal battery.

## **Frequently Asked Questions**

### **1. What is the maximum memory card size supported?**

The camera supports TF (microSD) cards up to 256GB. A memory card is not included in the package.

## **2. How long does a full charge take and how long can I record?**

A full charge takes about 220 minutes using a 5V/2A source and provides approximately 190 minutes of working time.

## **3. Can I use the camera as a webcam for video calls?**

Yes. Enable Webcam mode in the settings menu, connect the camera to your computer via USB-C and select it as the video source in your conferencing app.

## **4. How do I connect the camera to my phone?**

Install the HDVCAM app on your smartphone, enable Wi-Fi on the camera, then select the camera in the app to pair and control it remotely.

## **5. Does it fit on a tripod?**

Yes, the camera is tripod mount compatible. A tripod is not included.

## **6. What video resolutions and frame rates are available?**

The camera records at 4K@30FPS, 2.7K@30FPS, FHD@60FPS and HD@60FPS in MP4 format.

## Troubleshooting

| Problem                                       | Likely Cause                                                      | Solution                                                                                                                    |
|-----------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Camera will not power on                      | Battery fully depleted or power button not held long enough       | Charge the camera for at least 30 minutes with the included USB-C cable, then press and hold the power button for 2 seconds |
| Camera does not charge                        | Weak power source or damaged cable                                | Use a certified 5V/2A USB adapter and the supplied cable; try a different USB port                                          |
| Gimbal does not level or vibrates on start-up | Camera was moved during self-calibration or firmware needs update | Place the camera on a flat surface, restart it and let calibration finish; update firmware via the HDVCAM app               |
| Recording stops unexpectedly                  | Memory card full, too slow, or incompatible                       | Format the card in-camera; use a high-speed TF card up to 256GB                                                             |
| Cannot save photos or videos                  | No memory card inserted or card not formatted                     | Insert a compatible TF card and format it from the settings menu                                                            |
| Auto face tracking not working                | Subject not selected or low light                                 | Tap the subject on the touchscreen to lock tracking; ensure the scene is well lit                                           |

| <b>Problem</b>                      | <b>Likely Cause</b>                                          | <b>Solution</b>                                                                                     |
|-------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Touchscreen unresponsive            | Screen is dirty or system frozen                             | Wipe the screen with the included cloth; power the camera off and on again                          |
| Wi-Fi will not pair with the app    | Wi-Fi disabled, wrong password, or phone out of range        | Enable Wi-Fi in settings, re-enter the pairing password, and stay within a few meters of the camera |
| Blurry photos or videos             | Subject too close or lens dirty                              | Keep at least 20cm from the subject and clean the lens with the camera cloth                        |
| Camera turns off by itself          | Auto power-off timer is active or battery is low             | Adjust or disable the power-off timer in settings; recharge the camera                              |
| Camera feels warm during use        | Extended 4K recording or simultaneous charging while filming | Allow the camera to cool between long sessions; do not charge and record at the same time           |
| Files will not transfer to computer | USB cable is charge-only or drivers not loaded               | Use the included data cable and select the correct USB mode on the camera                           |

## Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.

## Warranty

Products that you buy directly from our Powerology website or shop come with a 24-month warranty.

The 24-month warranty applies to products purchased directly from our Powerology website or store. If Powerology products are bought from any of our verified retailers, then the product is eligible for only a 12-month warranty. To extend your product's warranty, visit our website [www.powerology.me/warranty](http://www.powerology.me/warranty) and fill in your details in the provided form along with an uploaded picture of the product to process your request. Once approved, you will receive a confirmation email of the extended product warranty. Upload the required information within 48 hours of purchase to be eligible for a 24-month warranty period.

For more info, please check: [www.powerology.me/warranty](http://www.powerology.me/warranty)

## Contact Us

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