3-Axis Stabilized Handheld Gimbal
Compatible with GoPro HERO5 / HERO4 / HERO3+ / HERO3 / Yi Cam 4K / AEE etc.
1. Product Overview
* The showing sports camera is only for reference

[1] Cross arm
[2] Rolling axis
[3] Status indicator
[5] Function button
[6] Self-timer button
[7] Titling axis
[8] Vertical arm
[9] Panning axis
[10] Handle
[12] Weight ring
[13] Thumb screw
[14] Retainer plate
[15] Retainer bar
[16] USB interface
[17] Trigger button
Package List

- HERO 5 camera charging cable X1
- Mini camera charging cable X1
- USB cable X1
- Thumb screw X2
- Battery (Type:22650) X1
- Portable bag X1

Water Splash Proof

App Control

Compatible with Accessories

*Never submerge the gimbal in water*
2. User Guide

Attention: Please complete the following instructions before powering on the gimbal.

1. Install the battery
Remove the handle and insert one 22650 battery into it.

2. Install the Camera
Take the Gopro HERO 5 camera for example
Install the camera on retainer plate, then fix the camera with retainer bar and screw.

(option 1)
1-normal position

(option 2)
2-reverse position
3 Camera balance adjustment

In order to achieve a better performance of the gimbal, please try to balance the camera before powering on G5.

Balance adjustment reference:
- GoPro HERO 5 — counter weight & weight ring
- GoPro HERO 4 — counter weight

4 Power on / off

Attention: Make sure the camera is secure before powering on the Gimbal.

Power On: Press and hold the function button until the green light comes on and you hear the tone.

Power Off: Press and hold the function button until the red light changes from quick flashing to constant and you hear the tone.

In case of low battery the indicator light will flash red three times every 5 seconds. Please charge gimbal or replace the battery.
## 3. Modes / Functions

### Mode / Function Operation Instructions

<table>
<thead>
<tr>
<th>Function Button</th>
<th>Function</th>
<th>Explanation</th>
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<tbody>
<tr>
<td>One tap</td>
<td>Panning follow / Locking Mode</td>
<td>Single tap to switch between panning follow and locking mode</td>
</tr>
<tr>
<td>Two taps</td>
<td>All follow</td>
<td>Under all follow, single tap to switch to locking mode</td>
</tr>
<tr>
<td>Three taps</td>
<td>Rotate horizontal 180°</td>
<td>Make the lens rotate 180 °</td>
</tr>
<tr>
<td>Four taps</td>
<td>Autorotation Mode</td>
<td>Quadruple taps to enter autorotation mode</td>
</tr>
<tr>
<td>Five taps</td>
<td>Initialization</td>
<td>Five taps to automatically enter initialization</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trigger Button</th>
<th>Function</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long press</td>
<td>Locking Mode</td>
<td>In the panning follow or all follow, press and hold the button to enter the locking mode, release it to return previous mode</td>
</tr>
<tr>
<td>Two taps</td>
<td>Panning Reset</td>
<td>Restore the initial follow state of the panning follow</td>
</tr>
</tbody>
</table>

**Explanation of LED indicator status**

The current mode of the gimbal can be identified by the indicator status.

<table>
<thead>
<tr>
<th>Indicator status</th>
<th>Mode / Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue light flashes once</td>
<td>Panning follow</td>
</tr>
<tr>
<td>Blue light flashes twice</td>
<td>All follow</td>
</tr>
<tr>
<td>Blue light constant on</td>
<td>Locking mode / Initialize the gimbal</td>
</tr>
<tr>
<td>Blue light keeps flashing</td>
<td>Initialization failure / Malfunction</td>
</tr>
<tr>
<td>Red light flashes three times</td>
<td>Low battery</td>
</tr>
<tr>
<td>Red light keeps flashing</td>
<td>Entering power off</td>
</tr>
</tbody>
</table>

**Explanation of joystick control**

- **Up**: Long press the self-timer button, the lens will rotate 180°, release to restore.
**Working Modes**

**Panning follow**
All direction are fixed, and the camera lens moves according to the hand movement direction of the user.

*The gimbal will work in panning follow after powering on.*

**All follow**
The rolling direction is fixed, and the camera lens moves according to the hand movement direction of the user.

**Locking Mode**
The orientation of the camera is fixed.

**Reset**
Return to panning follow, all to return to default.

**Audio effect optimization**
When installing GoPro HERO5 on G5, the following configuration of HERO5 will help you to get better audio effect:

- **[RAW AUDIO TRACK]** HIGH
  - RAW AUDIO TRACK
    - MID
    - APPLYFULL AUDIO PROCESSING INCLUDING WIND AND/OR STEREO AND AUTOMATIC GAIN.
  - HIGH

- **[MANUAL AUDIO CONTROL]** Wind Only
  - MANUAL AUDIO CONTROL
    - Wind Only
    - Stereo Only
**Autorotation Mode**

1. Four taps on function button, gimbal will access the autorotation mode.
2. Set the gimbal rotation start position: Pull the tilting axis or panning axis to the start position by hand, clicking the function button to record.
3. Set the gimbal rotation end position: Pull the gimbal (which can be rotated more than one turn) to the rotation path you want to set, and then click the function button to record the end position.
4. The gimbal will go to the start position and start the automatic rotation.

Using the gimbal autorotation function with a camera, timelapse photography functioning can be used to achieve special movement timelapse photography. Use the Feiyu ON App for control the speed setting.

**Note:** Both the panning and tilting directions can be rotated.

**Exit operations:**

1. Click the function button to exit the autorotation mode during automatic rotation and reset the gimbal.
2. Enter the autorotation mode or autorotation setting, four times click the function button to exit the autorotation mode and reset the gimbal.

**Annexed parameter table:**

gimbal speed setting reference table

<table>
<thead>
<tr>
<th>G5 speed setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 hours / turn</td>
</tr>
<tr>
<td>4 hours / turn</td>
</tr>
<tr>
<td>2 hours / turn</td>
</tr>
<tr>
<td>1 hour / turn (default)</td>
</tr>
<tr>
<td>30 minutes / turn</td>
</tr>
<tr>
<td>15 minutes / turn</td>
</tr>
<tr>
<td>8 minutes / turn</td>
</tr>
<tr>
<td>4 minutes / turn</td>
</tr>
<tr>
<td>2 minutes / turn</td>
</tr>
<tr>
<td>1 minute / turn</td>
</tr>
<tr>
<td>30 seconds / turn</td>
</tr>
<tr>
<td>15 seconds / turn</td>
</tr>
</tbody>
</table>

1. Four taps on function button, gimbal will access the autorotation mode setting.

2. Turn the panning axis or tilting axis to the start position and hold for half a second. Click on the function button to record the start position.

3. Turn the panning axis or tilting axis to the end position and hold for half a second. Click on the function button to record the end position.

4. Gimbal will recover to start position automatically. Tilting axis and panning axis turn to end position at constant speed. The gimbal is automatically reset after the end.
Manual Lock

Pull to the required angle and hold for half a second to lock in that position. (The tilting axis and panning axis in the locking mode can be manual locking. The tilting axis can be manually locked in the panning follow.) Take the tilting axis as an example:

1. Hold the camera and change its angle in tilting axis direction.

2. Keep this position for half a second, the current angle will be locked manually.
4. **Download and connect App**

1. **Download "Feiyu ON" and install it.**

   Please download Feiyu ON at your smartphone app store or scan the QR code below.
   * Requires iOS 9.0 or later, Android 6.0 or later.

2. **Connecting App**

   Start the App on your smartphone, follow the instructions to connect the smartphone with gimbal via bluetooth.
5. Charging

1. Gimbal charging

* Please make sure the battery was fully charged before you power on the gimbal first time.

Option 1: charging with micro USB cable.

![Micro USB cable](image1)

**Input**: 5V/1A

Option 2: remove the battery and charge the battery with charger (equipped by user).

2. Charging for Camera

By connecting the camera (equipped with Mini-USB charging port) and G5, the camera can be charged while G5 is power on.

Connect the Hero 5 with the gimbal via Type-C cable, the Hero 5 can be charged when gimbal is power on.
6. Firmware Upgrade

Upgrade the firmware through the Feiyu ON App.

1. Click the icon
2. Select upgrade type.
3. Follow the prompts to upgrade the firmware.

Upgrade type introductions:

**Gimbal update:** Repair / update or newly add gimbal control / function / parameter and etc.

**Keyboard update:** Repair / update or newly add button/touch screen/interaction functions, update more compatibility cameras which can be controlled through WIFI, repair few bugs about camera control through WIFI, and etc.

Please read the following notices CAREFULLY:

1. Please KEEP your phone screen ON during upgrade progress.
2. Do NOT leave current App page.
3. The motors will be pow off during upgrade progress, this is normal case.
4. In case of upgrade failure, the gimbal might be unfunctionable, please reboot your gimbal and restart App on your phone, and then perform upgrade again until successful upgrade.
5. If upgrade success, please forget/unpaired the gimbal with your phone in phone settings page, and reconnect again.

I Known

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Start updating
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7. Gimbal initialization

You can initialize your gimbal when:

(1) camera is not level.
(2) if not used for a long period of time.
(3) in case of extreme temperature variations.

Adjusting steps:

1. Five tap function button, the motors stop working after the voice "drop", the blue light is always on.

2. Place the gimbal still on a desktop. The gimbal will automatically initialize when it detects being static. The blue light cycles three flashes and then initialization ends, otherwise the initialization fails.

3. After the initialization is successful, click the function button to wake up.

Note: If the initialization is not successful for a long time, long press the function button to turn off the gimbal, restart it and then initialize.
## 8. Parameters

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Titling Angle</td>
<td>360°</td>
<td>Titling Increments</td>
<td>min 2°/s max 75°/s</td>
</tr>
<tr>
<td>Rolling Angle</td>
<td>245°</td>
<td>Panning Increments</td>
<td>min 3°/s max 150°/s</td>
</tr>
<tr>
<td>Panning Angle</td>
<td>360°</td>
<td>Usage Time</td>
<td>8 Hours</td>
</tr>
<tr>
<td>Adaption</td>
<td>GoPro HERO5 / HERO4 / HERO3+ / HERO3 / Yi cam 4K / AEE and other cameras with the same size</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>271g (Not including battery, camera or counter weight)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Unit: mm
DISCLAIMER

Prohibit any user for any illegal purpose. Users will be responsible for all behaviors of purchase and use products.

The Company assumes no liability for any risks related to or resulting from the debug and use of this product (including the direct, indirect or third-party losses).

For any unknown sources of using, we will not be at any services.

The updating and changes of product firmware and program may cause changes in function descriptions in this user manual, please read the instructions carefully before upgrading the firmware and use the corresponding user manual.

You can get the latest user manual from the official website: www.feiyu-tech.com

Feiyu Tech reserves the right to amend this manual and the terms and conditions of use the gimbal at any time.

Attention

- Please correctly assemble the gimbal in accordance with the diagram
- Please install the phone before powering on the gimbal
- When the gimbal is not in use or placed on the table, please ensure it is powered off