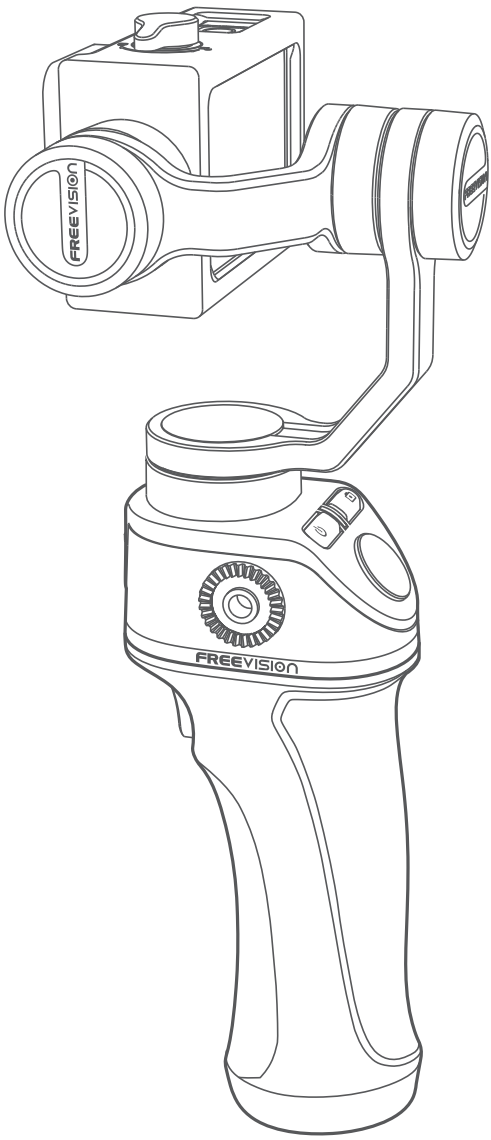
FREEVISION VILTA

Gimbal for GoPro

V 1.2



User Manual

Moving Stories.
Revolutionary Visions.

welcome

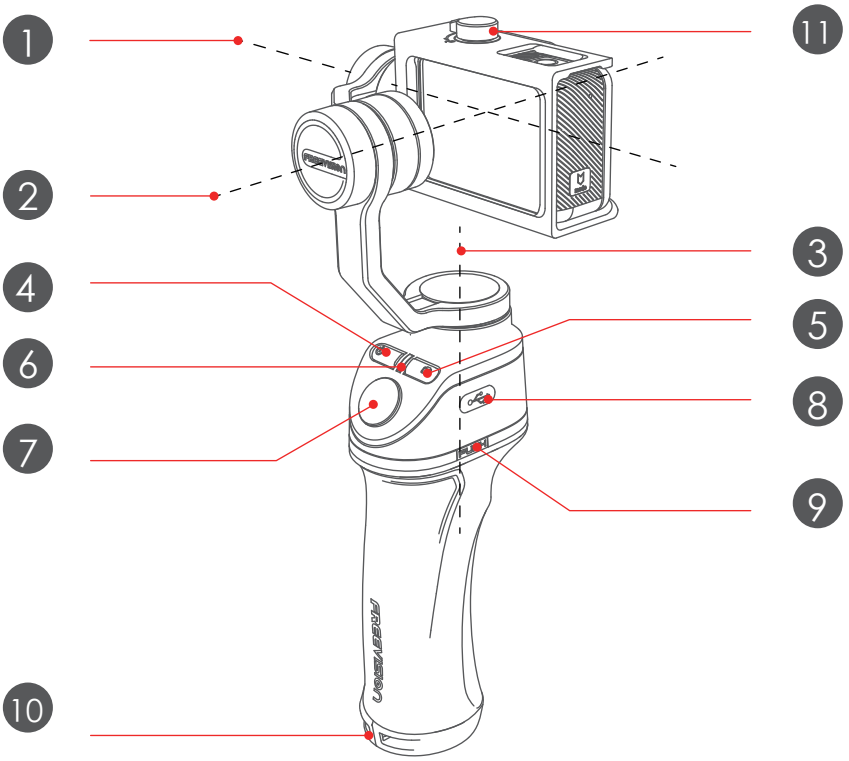
Please visit official website to download the latest User Manual

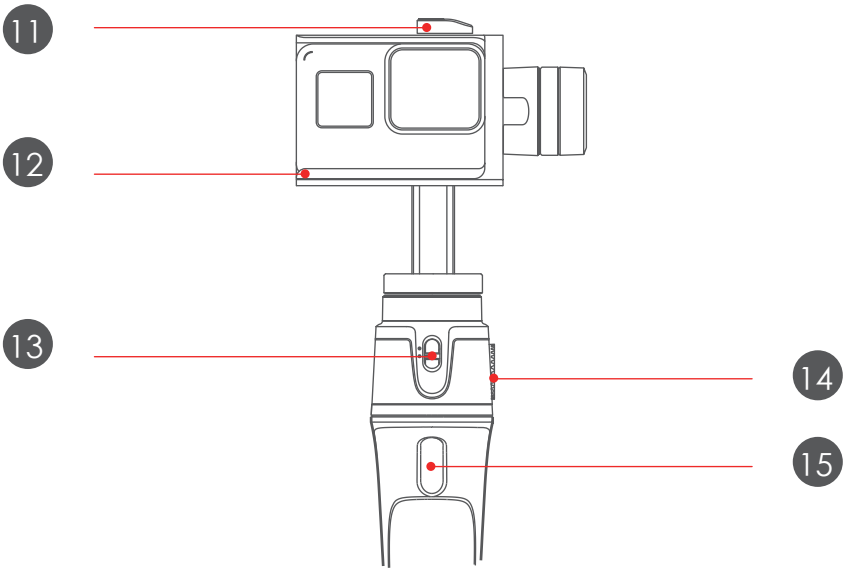
Important Statement

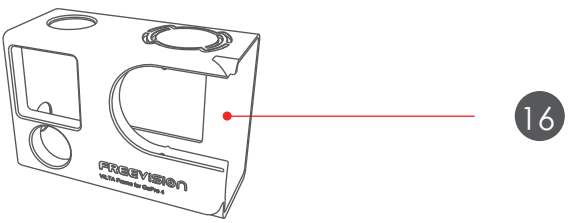
1. VILTA contains two modes: **Denoising** and **Performance**
   Denoising is default mode, suitable for all scenarios.
   Be sure to select Denoising mode when you have high requirement on audio quality.
   The Performance is strengthen mode, which will greatly improve the stability of gimbal. The motor response is radical that will be accompanied with some noise.
   The Performance Mode only applies to scenes that require extreme high stability accuracy but not demand high on camera recording quality. (Switch Denosing and Performance in App)

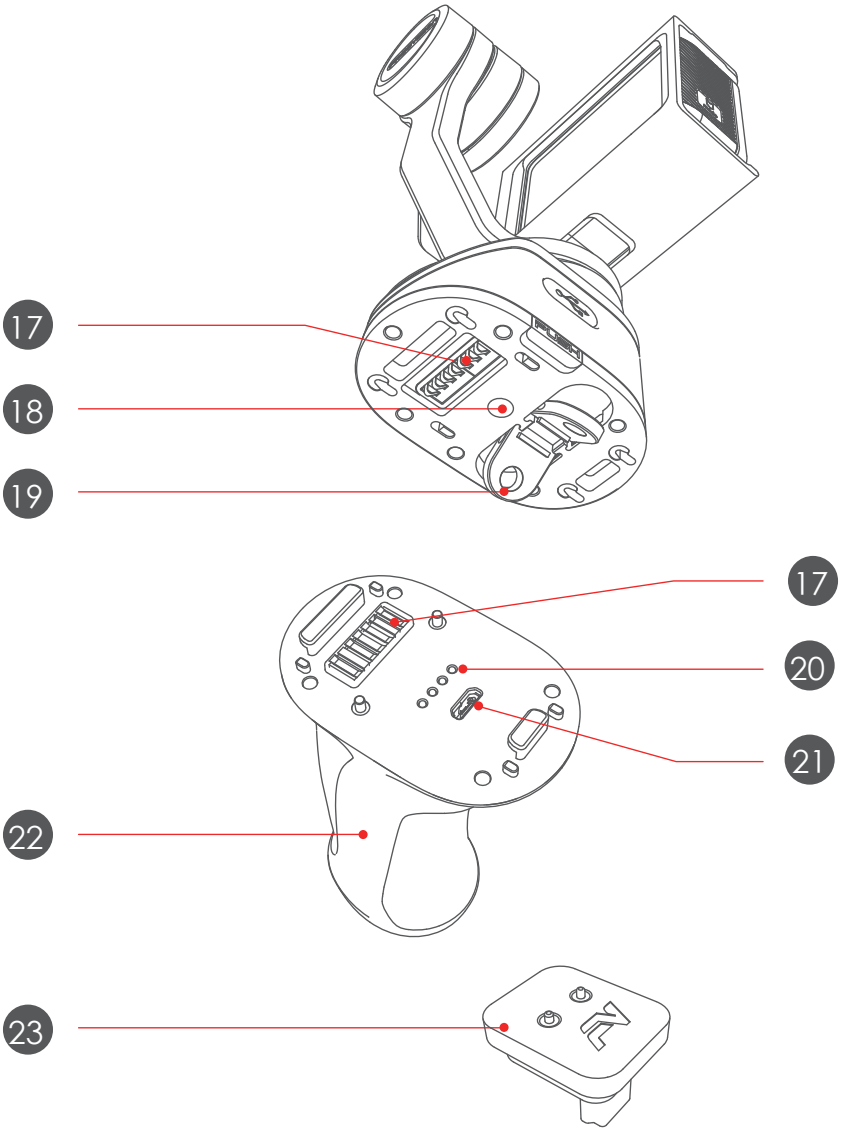
2. The GoPro5 AGC(Automatic Gain Control) function will greatly amplify the background sound. **Please select Wind Only mode on GoPro 5 to minimize the noise to the lowest.** GoPro3 and GoPro4 do not have this problem.

Product Overview





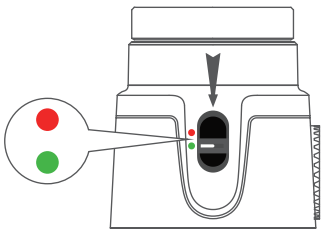


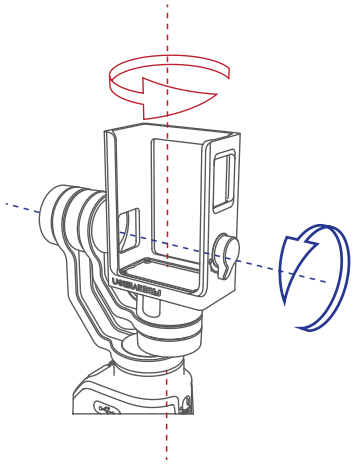


01. Tilt Axis
02. Roll Axis
03. Pan Axis
04. Power Switch
05. Shutter Button
06. Status Indicator
07. Joystick
08. Micro-USB Charging Port
09. Dismantle Button
10. Lanyard Hole
11. Camera Fixed Knob
12. Camera Frame
13. Pan Axis Lock
14. 1/4 Screw Port
15. Function Button
16. HERO3/3+/4 Frame
17. Golden Finger Connector
18. 1/4 Screw Port
19. Accessory Mounting Port
20. Handle Battery Indicator
21. Micro-USB Charging Port
22. Handle Battery
23. Camera Charging Module (Optional)

1 Installation

1 Unlock Gimbal

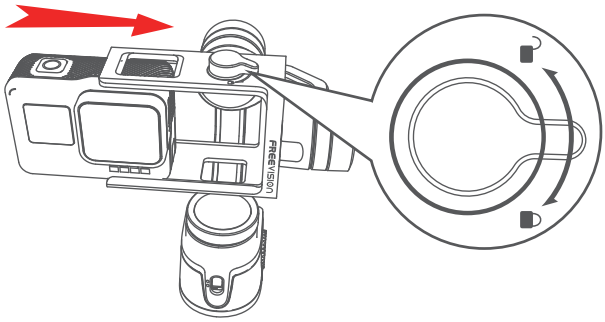




1) Slide the Pan Axis Lock down
2) Twist the Tilt Aixs and Roll Axis to unlock

⚠ The Status Indicator will flash red if any axis is locked

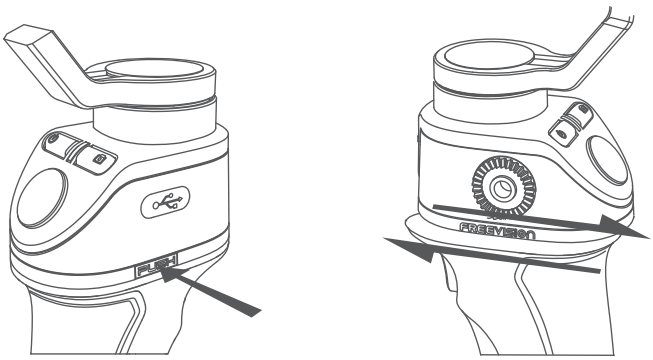
2 Install Camera



1) Insert GoPro in the Camera Frame
2) Fasten the knob as indicated

⚠ 1. Put Hero 3/3+/4 into frame before installing to the Camera Frame
2. To avoid the camera falling, please ensure the knob is fixed before power on

3 Handle Dismantle and Mantle



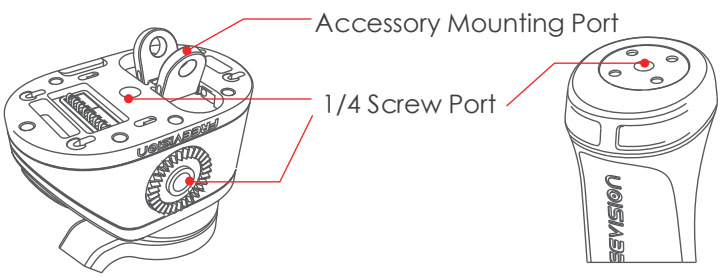
Dismantle: Press handle Dismantle Button and push as stated to demount the handle

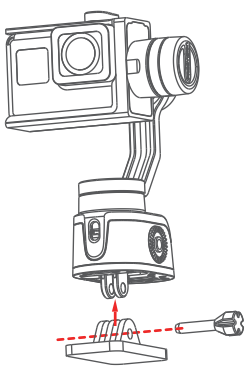
Mantle: Release Dismantle Button and align the mount, slightly pushing forward the gimbal

⚠ 1. After dismantling handle, double tap on Power Button of gimbal to switch Follow Mode

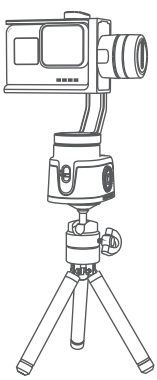
2. Ensure you hear a click while mounting the grip

4 Install Accessory





Fit for GoPro official accessories

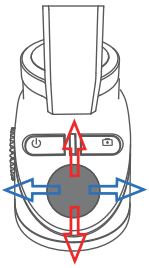


Fit for 1/4 screw camera kit accessories

2 Control

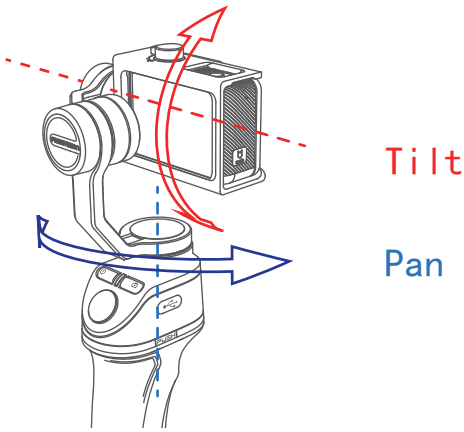
1 Joystick

Joystick

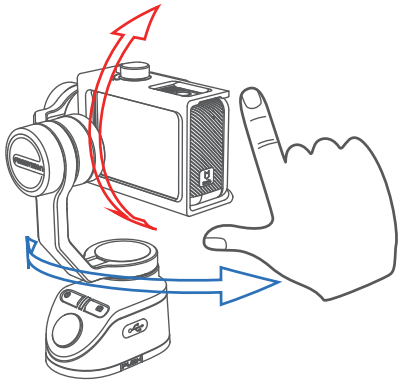


Virtual Joystick

1) Long press the Power Switch and control VILTA through joystick
2) Connect VILTA with APP and control through vitual joystick



2 Manual



Directly adjust the shooting direction by hand

⚠ Manual Mode can be turned on/ off in App

3 Connect and Shoot

1 VILTA as Remote Control

Power on the gimbal and camera, and operate camera with the following steps

GoPro5

CONNECTIVITY → Connect New → Smart Remote

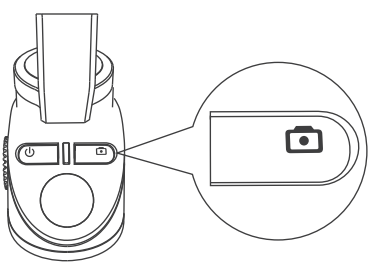
GoPro 4

SETTING → : ON → PAIR → WI-FI RC

GoPro 3/3+

→ WI-FI RC → NEW

When the Shutter Button lights off, connection is successful



Shutter Button

1) Long press the Shutter Button for 2 seconds to shoot/stop shooting
2) Short press to take a picture

For more detailed function: check【Advanced】—【Shutter Button】

2 Connect APP

Download and install APP

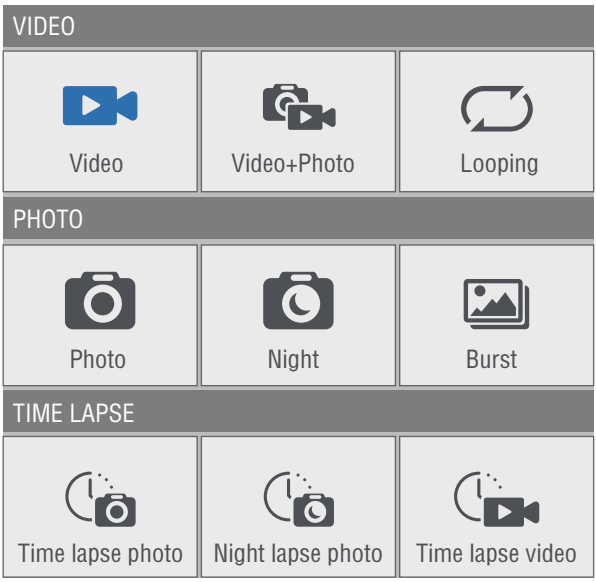
For iphone

Please search FreeVision in APP Store to download and install

For Andriod

Scan the QR code below to download and install

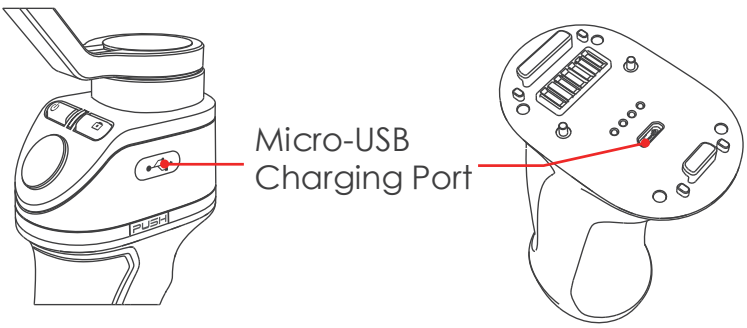
The Shooting Function Menu in the APP



1) Via App, you can control the gimbal and camera
2) You can select the shooting mode in the Shooting Function Menu in the APP

4 Charging

1 VILTA Charging

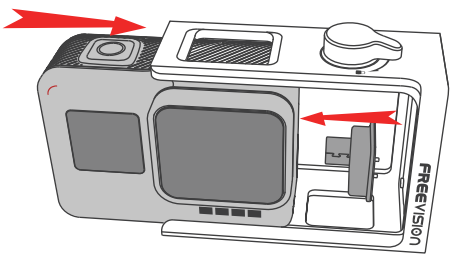


Charge gimbal and handle seperately through micro-USB charging port

2 Battery Indicator

1) Charge gimbal when the Power Switch glints.The Status Indicator alternately glints in red,yellow and green lights when charging. The Status Indicator turns green when fully charged.
2) Short press on Function Button to check handle battery level via Handle Battery Indicator.

3 GoPro Charging

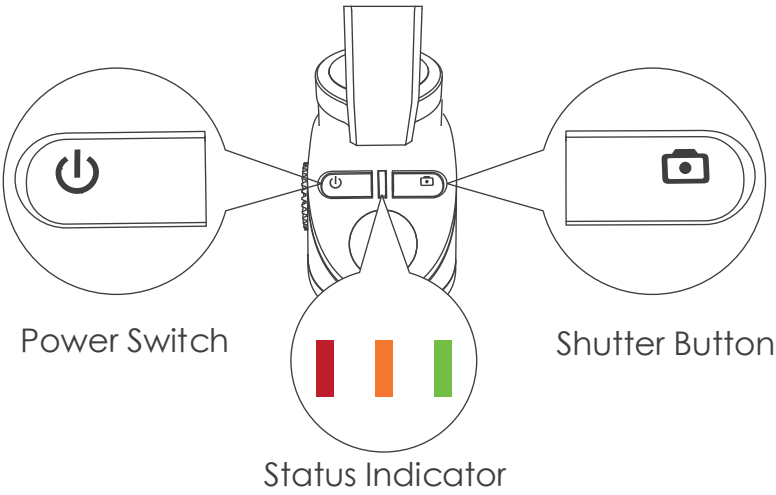


1) Take off the GoPro USB side door cover
(Caution: it may affect the water-proof function of GoPro)
2) Insert charging module into GoPro, the camera will be charged by VILTA. Set GoPro charging mode in APP

⚠ GoPro charging module is an optional accessory

5 Advanced

1 Button Function & Status Indicator Specification



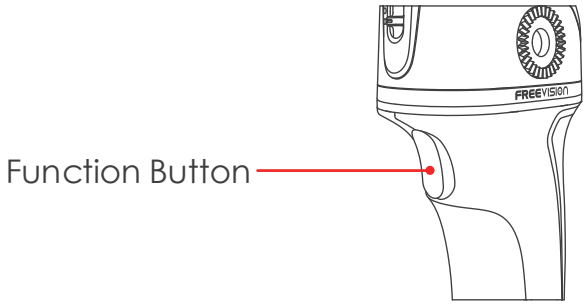
	Button	Function
Power Switch	Long press for 2s	On / Off
	Long press for 7.5s	Forced Shutdown
	Single tap	Sleep/Awake
	Double tap (wearable gimbal only)	Mode Switch

	Button	Function
Shutter Button	Single tap	Picture
	Double tap	Selfie
	Long press for 2s	Recording On/Off
	Press when recording	Tag
	Long press for 6s	Pairing (Light on) Connected (Light off)

Status Indicator	Red glint	Warning
	Green glint	Busy/Auto Calibration
	Yellow	Semi-follow Mode
	Red	Follow Mode
	Green	Lock Mode

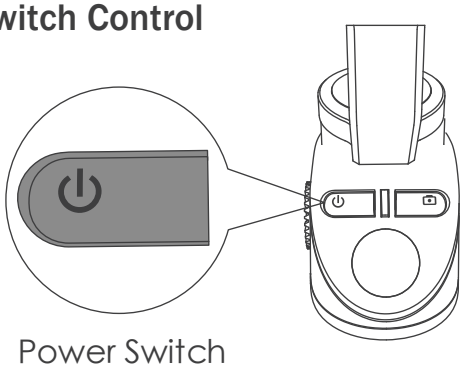
2 Mode

Function Button Control



Single Tap	Semi-Follow mode *(Default)*	*Tilt and Roll Axes are locked. Pan Axis smoothly moves with handle*
Double Tap	Follow Mode	*Roll Axis is locked. Pan and Tilt Axes smoothly move with handle*
Quadruple Tap	Lock Mode	*Tilt, Roll, and Pan Axes are locked. Camera always keeps the current shooting direction*
Triple Tap	Center the camera	*The camera returns to the front*
Long Hold	Lock Mode	*(Return to the previous mode when Function Button released)*

Power Switch Control



When the handle is released, double tap Power Switch to shift mode

The Switching Sequence:

6 Parameter

1 Specification Parameter:

Dimensions	94*41*258 mm(Folded)
Weight	430g(15.16 oz)
Supported Camera	GoPro Hero3/3+/4/5

2 Technical Parameter:

· Controllable Rotation Range

Pan Axis:	360° (Infinite Rotation)
Tilt Axis:	-45° ～100°
Roll Axis:	±40°

· Mechanical Rotation Range

Pan Axis:	360° (Infinite Rotation)
Tilt Axis:	-90° to 135°
Roll Axis:	-44° to 90°

· Maximum Control Speed:

Adaptive Rotation Speed（±500 °/s)

· Accuracy

Static Accuracy	Dynamic Accuracy
Tilt: 0.001°	Tilt: 0.01°
Pan: 0.002°	Pan: 0.02°
Roll: 0.001°	Roll: 0.01°

· Gimbal

Voltage	7.6V
Working Current	Static 300mA , Dynamic 2.5A
Consumption	2.5W

· Gimbal Battery

Voltage	7.6 V
Battery Type	Intelligent Lithium Battery
Battery Capacity	350 mAh
Energy	2.66 Wh

· Handle Battery

Voltage	7.4 V
Battery Type	Intelligent Lithium Battery
Handle Battery Capacity	2000mAh
Energy	14.8Wh

3 Other Specification

- Operating Temperature: -10℃ - 50℃(14˚-122˚F)
- Wearable Gimbal Working Time: 1.2h
- Handheld Gimbal Working Time: 7h
- Handle Charging Time: 2.5 h (5V,2A)
- Gimbal Charging Time: 1.5 h (5V, 1A)
- WIFI Working Frequency 2.412-2.462 GHz

Packing list

1. VILTA handheld gimbal
2. Charging cable
3. Portable bag
4. Lanyard
5. User manual
6. Hero 3/3+/4 frame

WARNING

1. Do not expose to fire or high heat.
2. Drop and collision will break VILTA. Please caution.
3. Not water-proof. No water or liquid cleaning agent.
4. Do not disassemble, repair or modify VILTA.
5. Gimbal and handle need to be respectively charged.
   Please use charger complying with public safety regulation.
6. Do not interfere VILTA operation when working.
7. Not suitable for children.
8. Not include GoPro.

Web: www.freevisiontech.com
US Customer Support: 888-898-6853

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