



# Pilot Era

*User Manual*

## Product overview

1. Please read the user manual seriously before using Pilot Era.
2. please keep it carefully for future reference.enance or parts replacement.
3. Pilot Era body and lens will attach protective films on surface to prevent the damage. Users can remove the protective film depends on requirement. Please wipe the lens before start shooting.
4. Be careful to carry and store Pilot Era. Avoid lying Pilot Era lenses on any surface which will lead to lens damage and imaging problems.
5. Surface heating of the camera is normal after long time usage.
6. If user do not use the camera for a long time or go on a long-time travel, please remove the battery from the camera and place it in the portable package.
7. This product has Been patented, and copying is not permitted.

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*Turn on / turn o*

### Mobile Control

*Download the mobile app: Pilot*  
*Go Control Pilot Era with mobile*  
*app*

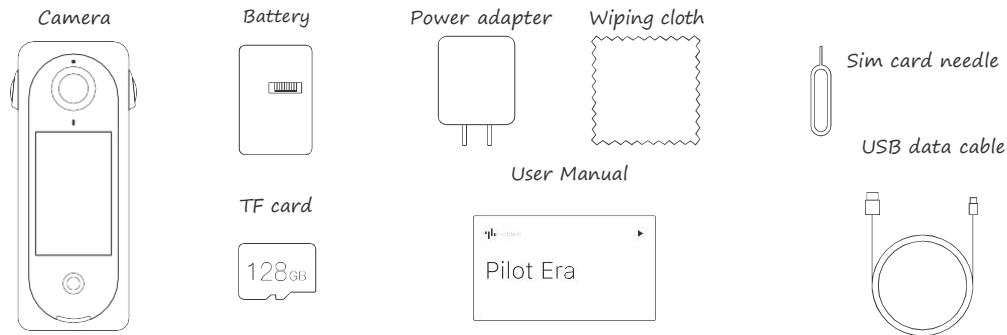
### Specifications

*Camera specifications*



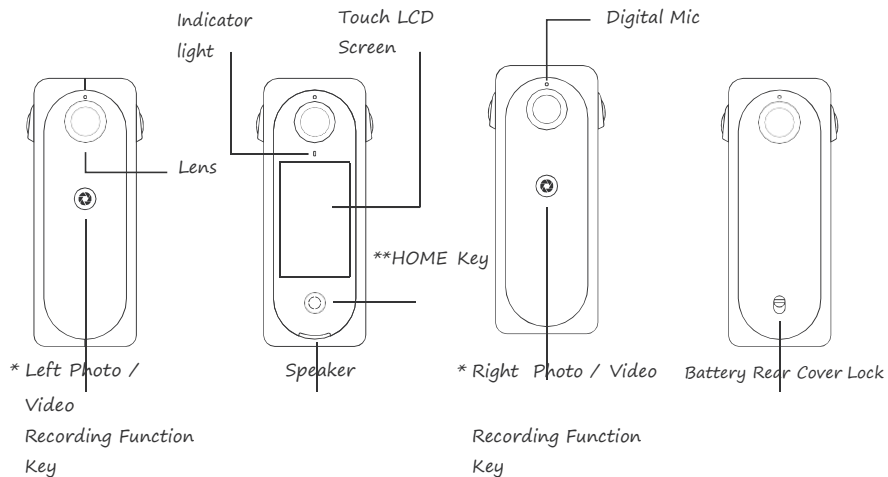
# Product overview

## List of items



*Please make sure your camera package contains the following items. If there are any missing items, please contact your camera dealer.*

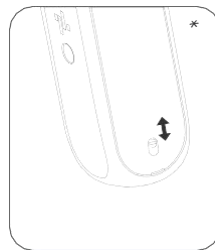
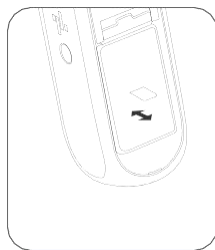
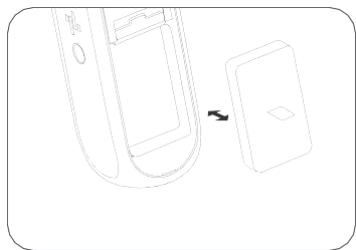
## Camera Info



\* Left/right function key share the same function

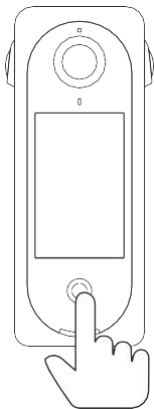
## Quick Start

### Battery disassemble / assemble

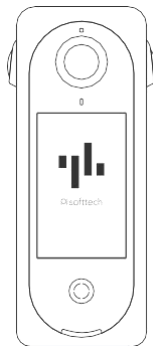


*\* Push up to open the battery back cover  
Push down to lock the battery back cover*

## Turn on



1. Long press HOME key for 3 seconds to start camera when closed



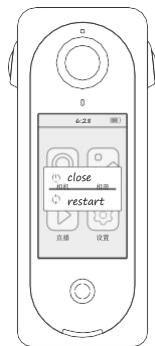
2. Boot page



3. Access to main page



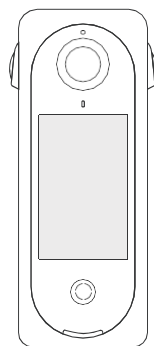
## Turn Off



1. Long press HOME key for 3 seconds when camera is started

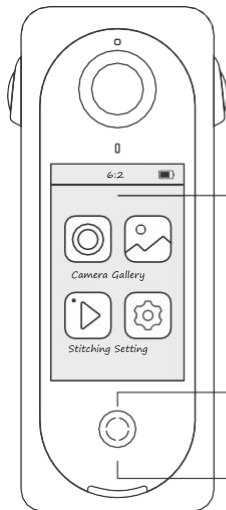


2. Choose to close or restart camera



3. Camera is closed

## Operation



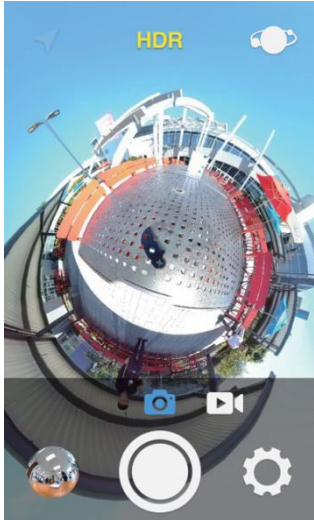
### Launcher interface

1. Touch each application icon to open the application.

2. Press the Home key to return to the main interface in application.

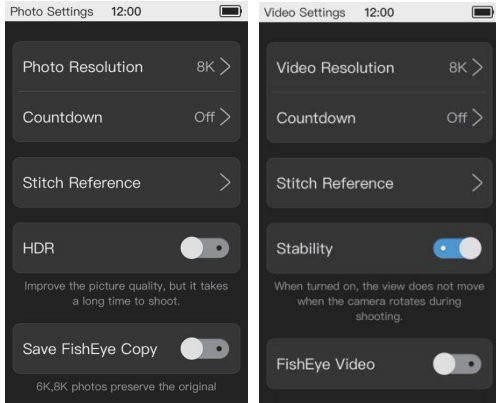
3. Long press the home key for 1 second to extinguish the screen

## Camera Application



1. The camera preview is automatically turned on when enter camera app.
2. Touch the icon in the upper right corner or double-click the screen to change the preview mode.
3. Preview modes are: Asteroid, Immerse, Fisheye, and Plane.
4. Swipe left or right in the operation area or click the photo/video icon to switch between photo/video modes.
5. Tap the photo/video button in the middle of operation area or press the Side Button to start taking a photo/video.
6. In the lower left corner, displayed the photo/video thumbnail of the last shot. Tap the thumbnail to view the details of the photo/video.
7. The HDR button above the preview allows you to turn on the HDR function to improve the exposure quality of your photos.

## Camera Settings



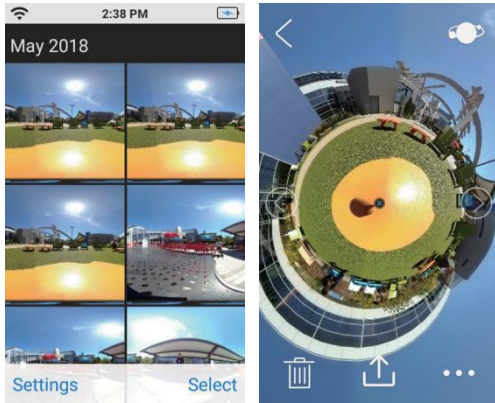
1. Tap the Settings button in the lower right corner of the camera to enter the photo/video settings UI. If it is currently in the photo mode, it is displayed as the photo setting; if it is currently in the video mode, it is displayed as the video setting.

2. Photo settings include common photo sizes, timed shooting, and HDR. You can save fisheye copy for post processing on PC.

3. Video settings include common video sizes, timed shooting, and picture stability. You can choose to take a fisheye video for post processing on PC.

4. The Stitch Reference is a common setting for both photos and videos. It is used to adjust the reference distance of the panoramic image stitching to enhance the stitching effect.

## Gallery



1. Double-finger zoom in the photo list switch between large image and small image mode.



2. Tap "Select" to select multiple photos and delete them in batches.

3. Tap a photo/video to enter the playback view. In the playback view, double-click the screen or tap the icon in the upper right corner to switch the view mode. View modes include: Asteroids, Immersion, Fisheye and Plane.

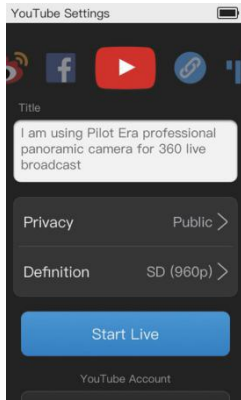
4. Tap the round arrows on the middle of the playback view to switch to the previous/next photo. The menu bar below has delete and view details icons. 8K photos can also be upload – ed to Google Street View.

## Gallery Stitching Fisheye Videos



1. Fisheye videos can be stitched directly in the Pilot Gallery.
2. Fisheye videos have a  logo in the upper right corner of the cover.
3. In fisheye video playback UI, tap the  button to start stitching.
4. Fisheye video in the splicing will have a stitching progress.

## Gallery Stitching Fisheye Videos



1. Tap the Live button to select the live broadcast platform. Video can be broadcast to YouTube, Facebook, Sina Weibo, self-built RTMP server and Pi Live.

2. After each platform is authorized to sign in, set the title, definition, and privacy. The definition of live stream can be set up to 4K.

3. Pilot supports WiFi. Choose a proper definition for the stream according to your network bandwidth.

4. Tap to Start Live after enter live broadcast status. Live time, current platform, and current definition will be displayed on the interface.

## Mobile Control

1. Download the official mobile app: Pilot Go
2. You can connect camera with Wi-Fi:
  - Connect Pilot Era and mobile phone in a same Wi-Fi network.
3. Pilot Era can be remotely controlled by mobile app to take photo, record video and manage gallery.



Scan QR code Download Pilot Go  
Or search at the Apple Store or  
Google Play: Pilot Go





## Control Pilot Era With Mobile App

1. Tap "Enter Pilot" in Pilot Go to control Pilot Era. When the camera is controlled, the screen will display "Mobile Control..."

2. Tap "Gallery" in Pilot Go to view and manage the Gallery of Pilot Era. You can download photos from Pilot Era to your phone and share to social platforms.

3. In the same WiFi, Pilot Go also supports scanning QR Code in Pilot Settings>About-Device Name, directly connected to the Pilot.

## Specifications

name	Number of cameras	Sensor	Lens selection	Photo resolution	Video	
Specification	4	4*1200 W	185° Aspherical Fisheye Lens	8192*4096 6144*3072 4096*2048	*Real-time Stitching 8K@7fps 6K@15fps 4K@30fps	Inside Post Stitching 8K@20fps 6K@30fps 4K@30fps

name	Audio capture	File format	Gyroscope	Screen	Battery
Specification	4-channel digital mic achieve 360° panoramic sound	Photo: jpg Video: MP4	9-axis high- pre- cision gyroscope	3.1 inch 800*480TFT- LCD	7000mAh polymer lithium battery, 3.5 working hours

\* Choose 'Fisheye Video' in video setting to save video in post stitching frame rate; Close 'Fisheye Video' in video setting to save video in real-time stitching

name	GPS	Storage expansion	Camera performance	Networking
Specification	Support Google Street View, precision 3 meters	Maximum support 256G TF card	RAM: 4G LPDDR4 ROM: 64G UFS	Wired: RJ45 Wireless: 2.4G/5G WIFI

name	Device interface	Live stream bit-rate	Encoding format	Weight	Power supply	Size
Specification	TF, Type-C RJ45 Nano SIM	2Mbps~100Mbps	H.265/H.264	684g	5V/4.8A	61.4*61.4*159.0 (mm) <sup>3</sup>



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518057, P.R.China

Visit Pilot Era official network to know more :  
<http://pilot.pisofttech.com>



 Wechat



 Facebook

# Pilot Era

产品保修卡与产品合格证  
PRODUCT WARRANTY CARD    QUALITY CERTIFICATE

# PRODUCT WARRANTY CARD

*Thank you for buying the products of our company. In order to protect your legitimate rights and interests and improve after-sales service quality, Pisoftech have made a warranty regulation. Please read it seriously.*

## Scope Of Warranty Conditions:

*1. This product is guaranteed for one year. During the warranty period, if the equipment fails due to poor quality or manufacturing problems, it can be repaired free of charge.*

*2. In case of the following matters, Pisoftech has the right to refuse services or to collect material fees and service charges as appropriate:*

- Malfunction or damage caused by improper use.*
- Failure or damage caused by any repair operation that is not performed by Pisoftech Maintenance team.*
- One year warranty expired.*

*3. Please properly pack the product before any transportation. Pisoftech will not be responsible for the damage and loss caused by the transportation process.*

*4. Warranty accepted only with a warranty card. Please send product warranty card together with Pilot Era when requires maintenance or parts replacement.*

## User Info

Name :

Number:

E-mail :

address:

Producer: Shenzhen Pisofware Technology Co.,Ltd. Tel: +86 0755-86329023

Add: C11-B, International E Park, No.1001 of Zhongshanyuan Road, Nanshan District, Shenzhen City, 518057, P.R.China

# 产品合格证

## QUALITY CERTIFICATE

产品名称: 全景相机

Product Name: Panoramic Camera

检验员: \_\_\_\_\_

QC

产品型号: Pilot Era

Model

生产日期: \_\_\_\_\_年\_\_\_\_月\_\_\_\_日

Date of Manufacture

产品序列号: \_\_\_\_\_

Serial Number

本产品经过质量检验, 完全符合使用标准, 特此证明。

*Herein we declare that this product completely accords with the standards.*

### **FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.