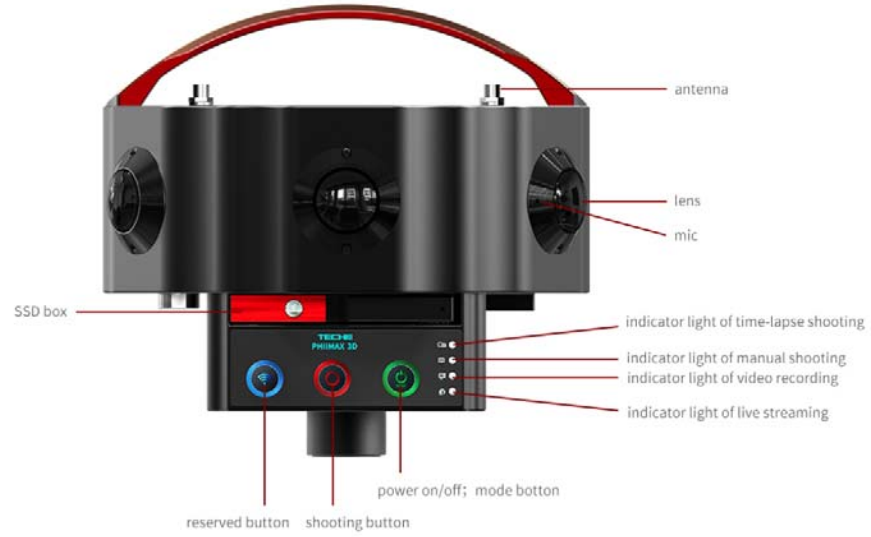
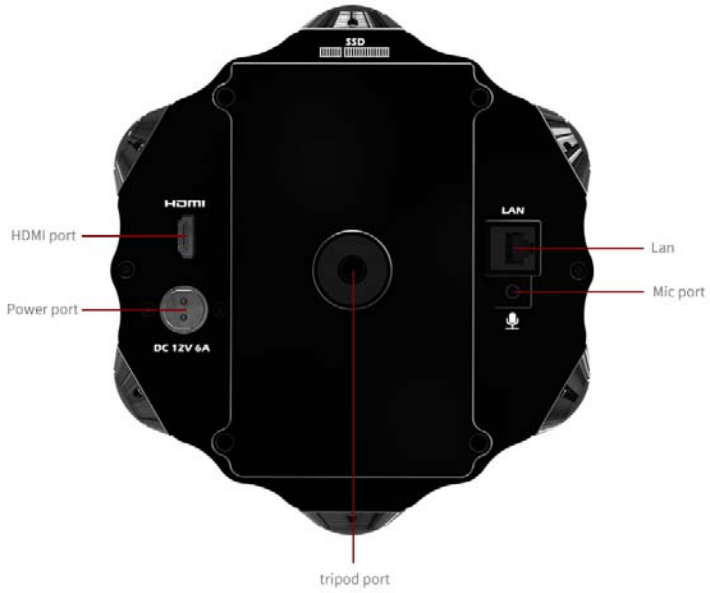
—. Camera parts introduction





二. Camera specification parameter

camera model	PHIIMAX3D
photo format	JPG, RAW
video format	MP4
lens	6 * F2.2 fish-eye lens
fuselage materials	aluminum alloy all over the fuselage
level of protection	Fully sealed without fan design, vehicle shock - proof, dust - proof
standard operating temperature	Minus 10 degrees Celsius - Minus 45 degrees above zero
audio	The built-in Mic*6，External audio source input interface 3.5mm
size	diameter 200mm
weight	about 2.4kg
storage support	SATA3(SSD)
communication interface	HDMI 2.0interface（Monitor and output the picture when shooting） Gigabit RJ45Ethernetinterface（Wired control and data transmission） 2*2External antenna high power WiFi（AP Hot spot wireless connection）
power supply and battery life	10200mAh built-in battery（time of endurance about 140min）； 75.48Wh 12.6V 6A power adapter
live streaming support	Up to 30 frames 4K live /24 frames 4K panoramic 3D live H.264/H.265Coding standards optional Facebook, Youtube: Live streaming platform for arbitrary can provide 360 ° panorama broadcast platform, such as Facebook, Youtube.
SDK&second development	data interface：photo, video file, video stream, gyroscope data. Picture quality control interface：ISO、ISO, white balance, exposure gain, resolution, frame rate control. Wired and WiFi control interface: take photos, video, push - stream control.

三. Photo, video specification

360° 2D Panoramic photos shooting	The highest level : 12000*6000（12K））
360° 3D Panoramic photos shooting	The highest level : 12000*6000（12K）
360° 3D Panoramic photos shooting	Support real - time stitching, the highest specifications can be achieved 3840*1920@30fps（4K） Support post- stitching，the highest specifications can be achieved 11520*5760@30fps（12K）
360° 3D Panoramic videos shooting	Support real - time stitching, the highest specifications can be achieved 3840*1920@30fps（4K） Support post- stitching，the highest specifications can be achieved 6400*6400@30fps（6K）

四. Packing

nothing

五. Use the camera

1.device Connection.

(1)the camera has a battery built in. The battery lasts for about 2 hours, and the charging time is about 4 hours.

(2)A power adapter or battery (not standard accessories) can be used to charge and power the camera through the power interface.

(3)when power off and charging, the camera button in the middle (red) will be bright all the time, and it will go out after filling.

(4)When the electricity is less than 20 percent, the mode button（the green light）flickers, less than 15%, and the mode button flickers becoming faster , which is less than 10%, and the camera is turned off.

2.SSD

(1)Place SSD in the SSD box.

(2)When the SSD is full: Stop the current mode while taking photos and recording. The buzzer is rung for 3 times, and the corresponding indicator light keeps flashing;

(3)When SSD is not installed or has not been installed successfully: in the mode of photographing and recording, press the shooting button, the buzzer rings for 3 times, and the corresponding indicator light flashes for 3 times;

3.Power on/off

(1)Power on: long press the power on button for 3 seconds, and the power on button will flash rapidly. After the system is started, it will stop flashing. All button lights flicker once, the power lamp is always on, and the camera buzzer prompts once to start up.

(2)Power off: long press the power on button for 3 seconds, and the power on button flickers slowly. After the system is shut down, it stops flashing and goes out. The buzzer prompts the completion of power off.

(3)forced shutdown: long press 10 seconds, no matter in any state can force shutdown, all lights out.

4.main lens

The first viewing angle in a panoramic image.

5.camera shooting

(1)Mode switch: the button of power on /off is also a mode button. By pressing the button of mode, can realize the camera mode. Time-lapse shooting -- taking photos -- video recording -- pushing the flow. The corresponding state indicator light changes with the switch of mode (all red indicator light);At the same time, the camera buzzer makes a short sound.

(2)Take photos: in the photo mode, press the button to take a picture, and the button corresponds to the red flash. After the shooting, the indicator light is long and the camera buzzes once.

(3)Start time-lapse shooting: in the automatic photo mode, the camera button is pressed down to take a picture. After each shot, the red light flashes once and the camera buzzer is short once.

(4)Stop time-lapse shooting: press the button to stop photographing when time-lapse shooting is going on, the time-lapse shooting status light will return to normal, and the camera buzzer will make a short sound.

camera shooting power on/off；mode botton

6.camera video recording

(1)Start recording: switch the camera to video recording mode, press the shooting button to record the video, the camera buzzer is short once, and the recording status red light is flashing.

(2)Stop recording: in the process of recording, press the button to stop recording, the camera buzzer makes a short sound, and the recording status lamp returns to long light.

7.camera live streaming

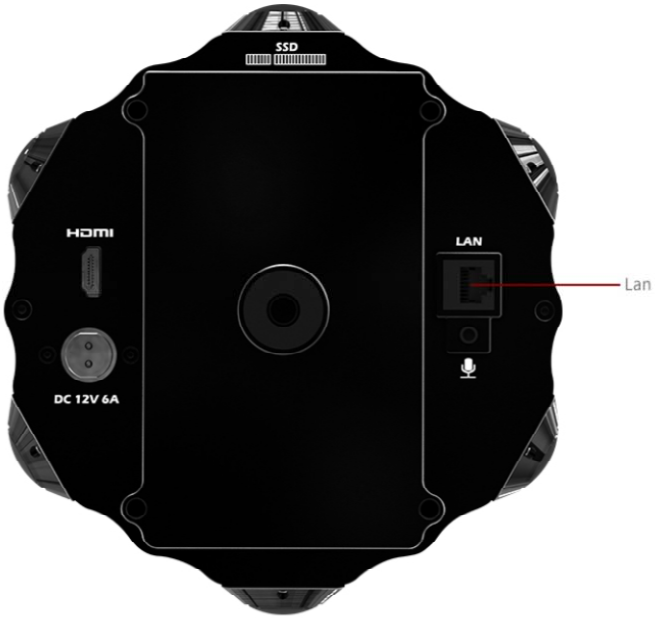
Start push flow: switch the camera to push flow mode, and combine with the camera control program TECHE Center for living push flow. Please refer to the TECHE Center instructions for specific usage.

8.camera wifi setting

(1)Install the supporting camera controller software on PC and open the TECHE CENTER program;
(2)Click the setting button in the upper left corner, select the network option in the drop-down box, input the wifi name and password in the pop-up interface, and click the save button, and the prompt for setting is successful;
(3)Restart camera, wifi set successfully.

9.matched software and camera connection

Camera through the Lan port or WIFI to connect to the network, guarantee the camera and cell phone, or PC within the same network, open the software, the software automatically searchs on camera, click connection, and the camera connected to the App or PC program successfully, through the software for the camera, recording, live streaming and parameter settings and related panoramic material stitching, etc. See the software manual for detailed software usage.



FCC COMPLIANCE STATEMENT:
This device 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.

Note: 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.

Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement.
The device can be used in mobile (min20cm) exposure condition without restriction.