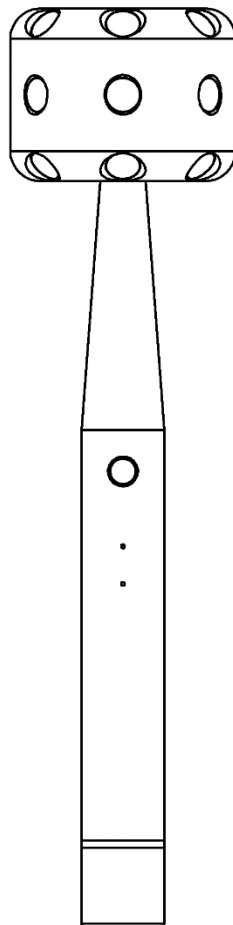


Xphase 相宇

Xphase Pro panoramic camera

User manual



Safety instructions

- ⊘ It is forbidden to disassemble or modify the camera. Doing so may cause the camera to malfunction or be damaged.
- ⊘ Do not disassemble the handle or remove the battery. Doing so may cause the battery to heat up, short-circuit or even explode.
- ⚠ Do not drop, squash, bend, change shape, puncture, cut, bake in a microwave oven, incinerate, or spray the camera.
- ⚠ When the lens of the camera lens is damaged, be careful to avoid being scratched by the glass. .
- ⊘ Do not immerse the camera in water. Failure to do so will result in camera malfunction. If the camera is flooded, do not turn it on (if it is turned on, be sure to turn it off immediately) and entrust the company to repair it.
- ⊘ Do not use or turn on a damaged camera, such as a crack, puncture, or water.
- ⚠ Do not touch the plug or charger with wet hands while charging. Failure to do so may result in electric shock and injury.
- ⚠ When charging the camera with a third-party mobile power source, make sure that the output voltage of the charging power supply is 5V. Incorrect charging voltage can cause damage to the camera, battery explosion, or even fire.
- ⚠ Always turn off the power on the aircraft. Always follow the hospital's instructions when using it in a hospital. The electromagnetic waves emitted by this device may interfere with the aircraft's electronic system or the hospital's medical equipment.

⊘ It is forbidden to cover or wrap objects that are bedding or prevent heat transfer during use or when turned on. Otherwise the device will not dissipate heat and may cause equipment malfunction or fire.

⚠ It is normal for the camera to generate a certain amount of heat during normal operation. When the product has abnormal temperature, smoke or burnt smell, please shut down immediately and keep it in a safe place, and entrust the company to carry out maintenance.

Product introduction

- Xphase Pro panoramic camera is independently developed, produced and sold by Beijing Xiangfeng Tomorrow Technology Co., Ltd. It has the following characteristics:

- With 25 8-megapixel cameras and 200 million original pixels, you can take high-resolution panoramic photos without dead ends.

- All cameras are simultaneously imaged, and there is no need to worry about ghosting and seams when shooting live scenes.

- The leading parallax correction algorithm solves the problem of seams that are common in current multi-camera solutions when shooting close-ups.

- The advanced HDR algorithm seamlessly combines the photos of three consecutive exposure parameters produced by each shot, greatly improving the dynamic range. HDR can also be used for handheld shooting.

- Support iOS, Android and Windows platforms, which can be captured by WIFI remote camera using mobile phone, tablet or laptop and browse in real time.

- Easily create panoramic roaming and add photo text hotspots with the companion panoramic roaming authoring tool. The algorithm automatically identifies and correlates adjacent scenes to reduce manual configuration effort; and the algorithm can generate smooth and natural scene transition effects through fully automated 3D modeling.

- Supports uploading panoramic photos and panoramic roaming to the cloud, sharing it through friends circle and Weibo or embedding it into your own webpage.
- It can generate 16-bit lossless compressed panoramic picture, white balance and contrast can be configured, and the original color of the sensor can be selected (similar to the SLR camera RAW format) for post-processing through tools such as Photoshop.

Product parameters

Appearance

Diameter: 60mm (camera body) / 22mm (handle)

Height: 245mm

Shell: aluminum alloy casing, sandblasting anodizing process

Weight: 248g

Colour: Black

Camera module

Sensor: 25.8 megapixel back-illuminated sensors

Sensor size: 1/3.2 inch

Aperture: F2.2

Image format

File format: JPG / PNG (16 bit) / PNO (private format)

Image size: 16384 * 8192

Shooting parameters

Shutter speed: 1/4000s - 1s (automatic)

Shooting mode: Handheld / Tripod

Exposure compensation: -2EV - +2EV (at 1/3 EV intervals)

Timed shooting: 5 seconds / 10 seconds / 20 seconds

Recent shooting distance: 0.3m

Late parameters

White balance: Auto / Manual

Contrast: 100% - 125%

Color Mode: Auto / Sensor Original Color

Power supply

Built-in battery: 3400mAh lithium-ion battery

Shooting time: 2 hours (about 250 photos)

For longer shooting, you can purchase additional power supply accessories for continuous shooting.

Charging current: 1.5A (5V)

Charging time: about 2.5 hours (supporting while shooting)

Storage

U disk type: sandisk flash di CZ43 cool bean USB3.0 mini U disk

U disk capacity: 32GB standard, optional 64GB/128GB

Storage quantity: 250 sheets (32G) / 500 sheets (64G) / 1000 sheets (128G)

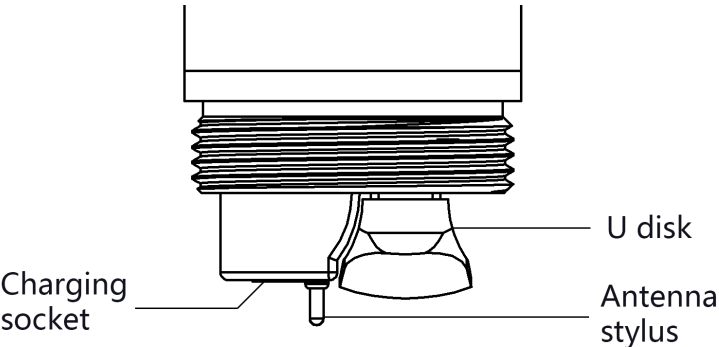
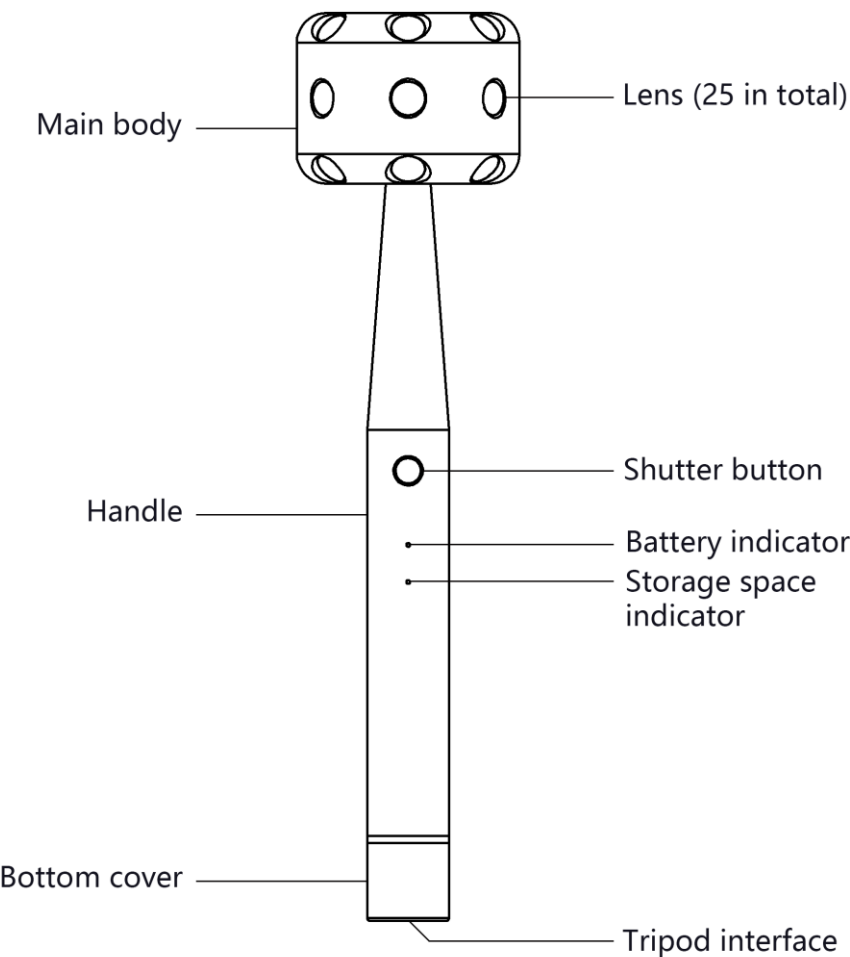
Interface

USB interface: USB2.0 Host

WIFI interface: IEEE 802.b/g/n

Fixed interface: 1/4" standard tripod mount

Product icon



Instructions for use

1 boot

1.1 Press and hold the shutter button for more than 3 seconds in the off state until the battery indicator and storage space indicator turn white at the same time.


1.2 If you need to turn off the shutter sound, press the shutter button once within 3 seconds after the battery indicator and storage space indicator turn white. The camera will be muted until the camera is turned off. If you do not need to close the shutter, please ignore this step.

1.3 Wait for the camera to make two beeps (the memory indicator flashes twice in the mute state), and the camera has finished booting.

2 handheld mode photo

2.1 Hold the camera handle, press the shutter button once, then try to keep the camera still until you hear a "click" (the memory indicator flashes once in the mute state), indicating that the camera has finished exposing, then you can move the camera

2.2 Wait for the camera to make two beeps (the memory indicator flashes twice in the mute state), then the camera has finished storing and you can start the next shot.

 In handheld mode, to prevent blurring caused by blurring, the camera uses a shorter exposure time. The metering system under low light will increase the ISO

value, resulting in increased noise. Better picture quality with a tripod mode in low light

💡 If you don't want to take yourself into the picture, you can lift the camera over your head when you shoot. If you want to take a self-portrait, try to stretch your arm and keep the camera away from the body to make the shooting better (guarantee the closest shooting distance is more than 0.3 meters)

3 tripod mode photo


3.1 Fix the camera on the tripod through the tripod connector of the camera bottom cover. Press the shutter button twice, three times or four times according to the time interval required for time-lapse shooting. (Continuously press twice to delay shooting for 5 seconds; double-click three times. Will take 10 seconds to shoot; double press will delay 20 seconds to shoot)

3.2 If you don't want to take yourself into the picture, you can move to the place where the camera can't take it within the delay time.


3.3 The camera will emit a "beep" every 1 second to count (the memory indicator flashes once every 1 second in the silent state), and then start the exposure after five consecutive sounds (mute state). The lower storage space indicator flashes five times)

3.4 After the exposure is completed, the camera will make a "click" (the memory indicator flashes once in the mute state), after which you can move the camera.

3.5 Wait for the camera to make two beeps (the memory indicator flashes twice in the mute state), then the camera has finished storing and you can start the next shot.

 For best image quality in tripod mode, the camera uses the lowest possible ISO.

Under the low light, the metering system will set a longer exposure time. At this time, pay attention to ensure that the tripod is stable and does not shake.

 Pay attention to the risk of the tripod being knocked down by a pedestrian or being blown down by the wind.

4 WIFI remote control camera

4.1 You can shoot and view and view panoramas in real time using a WIFI remote camera using a mobile phone, tablet or Windows laptop with the Xphase Panorama Manager software installed. For details, please refer to the Xphase Panorama Manager User Manual.

5 Check the remaining battery power

5.1 The color of the battery indicator light indicates the remaining battery power:

5.1.1 Blue indicates that the remaining battery power exceeds 80%

5.1.2 Cyan indicates that the remaining battery power exceeds 60%

5.1.3 Green indicates that the remaining battery power exceeds 40%

5.1.4 Yellow indicates that the remaining battery power exceeds 20%

5.1.5 Red indicates that the remaining battery power is less than 20%

5.1.6 Purple means the remaining battery is exhausted, it will be shut down

5.2 Pressing the shutter button in the off state will light the battery indicator, its color indicates the remaining battery power, meaning the same as before

5.3 The battery indicator will flash when charging, its color indicates the remaining battery capacity, meaning the same as before

💡 When the remaining battery power is exhausted, the camera will emit a “beep ——” long sound (the memory indicator flashes once in the mute state), then automatically shut down.

💡 Please charge the camera in time after the remaining battery power is exhausted, otherwise it will shorten the battery life.

💡 Due to the characteristics of the lithium battery, the battery available capacity is reduced in a low temperature environment.

6 View the remaining storage space

6.1 The color of the storage space indicator in the power on state indicates the remaining storage space of the USB flash drive:

6.1.1 Blue indicates that the remaining storage space can shoot about 100 or more

6.1.2 Cyan means that the remaining storage space can shoot about 50 or more

6.1.3 Green indicates that the remaining storage space can shoot about 20 or more

6.1.4 Yellow indicates that the remaining storage space can shoot about 10 or more

6.1.5 Red indicates that the remaining storage space can be taken up to 10 or less

(or the U disk is not inserted)

💡 The storage space required for each photo in different scenes is quite different, so the number of remaining shots is only an estimate.

💡 When the remaining memory is not enough to take the next shot, the camera will make a “beep” three times when the shutter button is pressed (the memory indicator flashes three times in the mute state) to indicate that there is no available storage space.

7 shutdown


7.1 Press and hold the shutter button for more than 3 seconds while the camera is turned on until the camera emits a “beep—” long sound (the memory indicator flashes once in the mute state)

7.2 Waiting for the power indicator and storage space indicator to go out, the camera is turned off

8 charging


8.1 Charging can be performed both in the power on state and in the power off state. When charging, first plug the power adapter in the accessory into the 220V standard power supply, then unscrew the camera bottom cover, insert one end of the USB charging cable in the accessory into the power adapter, and insert the other end into the camera charging socket.

8.2 The battery indicator will flash when charging, and its color indicates the remaining battery power. Charging is completed. If it is in the off state, the battery indicator will go out; if it is on, the battery indicator will be on.

 You can also use a third-party mobile power supply or a computer's USB port to charge the camera, but make sure that the charging power supply's output voltage is 5V. Incorrect charging voltage can cause camera damage, battery explosion, or even fire


9 Using an extended power accessory

9.1 The camera can be powered with an extended power accessory (sold separately) for long continuous shooting. After unscrewing the bottom cover, screw the expansion power supply to the handle and the expansion power supply will start to power the camera.

 The extended power accessory does not block panoramic shots and can be attached to a tripod. For details, please refer to the user manual of the extended power supply accessory.

10 Installing and removing a USB flash drive


10.1 Turn off the camera and unscrew the bottom cover. You can install or remove the USB flash drive at the bottom of the handle.

 You must first turn off the camera before installing and removing the USB flash drive.

11 Synthesize and browse panoramas

11.1 You can shoot and view and view panoramas in real time using a WIFI remote camera using a mobile phone, tablet or Windows laptop with the Xphase Panorama Manager software installed. For details, please refer to the Xphase Panorama Manager User Manual.

11.2 Another way is to turn off the camera and remove the USB flash drive after the shooting is completed, then insert the USB flash drive into the Windows computer installed with "Xphase Panorama Manager" and use the "Xphase Panorama Manager" to ".ori" in the USB flash drive. The files are combined into a panorama file and these panoramas can be viewed and managed. For details, please refer to the Xphase Panorama Manager User Manual.

 Inserting a USB flash drive into a computer to read data is faster than reading through WIFI, which is suitable for a large amount of photos.

12 questions

12.1 If the camera still does not turn on after pressing and holding the shutter button for more than 3 seconds, press the shutter button shortly and observe the color of the battery indicator. If the battery indicator is off or the color is red or purple, it means that the battery is not working properly due to low battery. Please charge the camera for at least one hour and then turn it on again. (If the battery is exhausted, the battery indicator may not flash when you start charging. At this time,

make sure the charging cable is powered and connected to the camera.) If it still does not turn on, please contact. The company after sale

12.2 After the shutter button is pressed, the camera emits three beeps (the memory indicator flashes three times in the mute state) to indicate that the camera has no available storage space or the U disk is not inserted. Please insert an empty USB flash drive or use Xphase Panorama Management. "Software" deletes some of the ".ori" files that have been taken in the USB flash drive

12.3 After the shutter button is pressed, the camera will emit a "beep" four times (the memory indicator flashes four times in the mute state) to indicate that the shooting has failed. If the problem occurs continuously, please turn off the camera and then turn it on again. If the problem is still not solved, please contact our company for sale.

12.4 If the camera loses its response and cannot shoot or shut down normally, please press and hold the shutter button for more than 9 seconds, the camera will be forced to shut down. If the problem persists after the boot, please contact our company for sale.

Packing List

1 Xphase Pro panoramic camera 1

2 power adapter 1

3 USB charging cable 1

4 sandisk USB3.0 32GB U disk 1 (camera loaded, user manual and related software)

Beijing Xiang Feng Ming Tian Technology Co., Ltd.

Email: bd@xphase.cn

Tel: +86-10-80748211