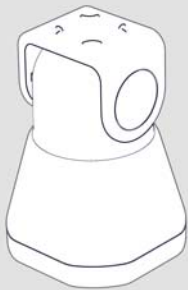
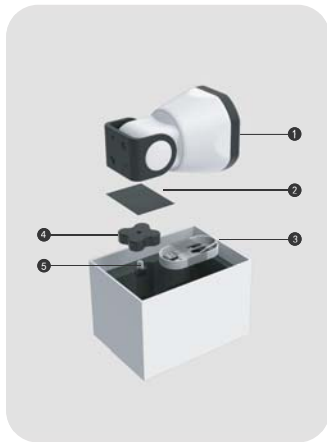


Planet Smart Pan/ tilt User Manual



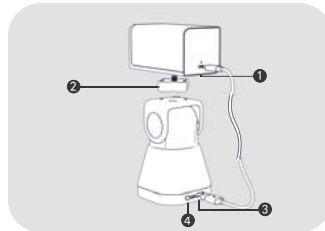
TINYSCOPE

01 /List

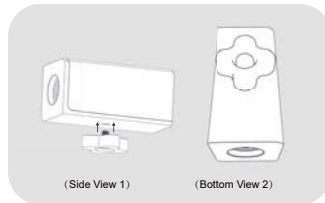


- ① Planet Smart Pan/tilt*1
- ② User Manual*1
- ③ Data Cable*1
- ④ Magnetic Suction Mount*1
- ⑤ 1/4" Thumb Screw*1

02 /Installation



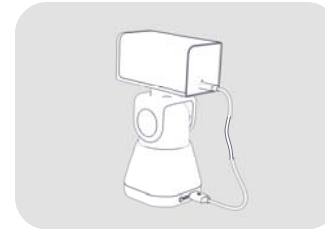
- ① USB-C Port
- ② Magnetic Suction Mount
- ③ USB-A Port
- ④ On/Off Button



1. Magnetic suction mount installation: fix the magnetic suction mount to the screw hole at the bottom of the Dwarf (as shown in side view 1), finish the installation of magnetic suction mount (as shown in bottom view 2) for subsequent operations.



2. Dwarf installation: magnetically attach the Dwarf to the Planet.



3. Data cable connection: plug the USB-A cable into Planet, and plug the USB-C cable into Dwarf.

03 /Connection

Smartphone:

1. App download:

Android :download through the [Google Play],search [Tinyscope].

iPhone :download through the [App Store],search [Tinyscope].

2. After the installation of Planet is finished according to the 02/Installation, press the Planet On/Off Button, the blue light is on, and starts blinking about 15s then Planet starts to work.

Battery Indicator Light:

- Blink blue : in working
- Solid red : below 10% of power
- Blink green : in charging
- Solid green : charge complete

Button Operation:

- Press: On / Off

3. Turn on the WiFi of the Android/iPhone mobile phone and connect to [ScopeCAM_Planet_XXXXXX] (XXXXXX is a random number) with the initial password 12345678.

4. Open the App [Tinyscope], click the shooting icon [📷], then select [Planet].

5. Enter the [Planet] interface, there is a novice tutorial for product use.

Windows:

(If there is no wireless network card before using the Windows computer, please purchase a wireless network card first)

1. Log in to the official website and download the software[CVGCCAP]
<https://www.tinyscope.com/downloads?name=pc>

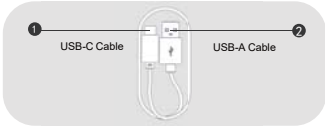
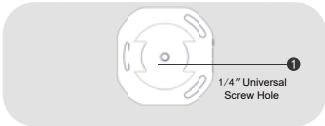
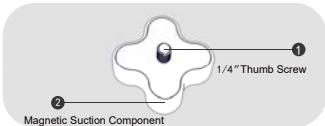
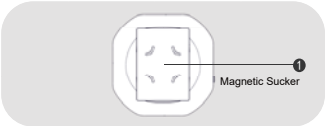
2. Turn on the WiFi of Windows and connect to[ScopeCAM_Planet_XXXXXX]
(XXXXXX is a random letter or number) with the initial password 12345678.

3. Open the software [CVGCCAP], select and connect [Dwarf+Planet].

Connected status as shown below :



04 /Description of parts



05 /Technical Parameters

Specifications of Electric pan/tilt		
General Purpose	Product Name	Planet Smart Pan/tilt
	Dimensions	95×95×141mm
	Weight	About 500g
	Load Weight	≤500g
Battery	Type	18650 Lithium-ion battery
	Capacity	3600mAh
	Charging Voltage	5V 2A
	Rated Operating Voltage	5V 3A
	Charging Temperature	5℃-40℃
	Operating Temperature	0℃-40℃
	No-load Work Time	5h
	Charging Time	3h
pan/tilt	Rated Power	15W
	Mechanical Range	azimuth angle:-185° — 185°
		altitude angle:-60° — 60°
	Max Controllable Speed	6.1 °/S
	Connection Mode	2.4G WiFi

pan/tilt	WiFi Name	[ScopeCAM_Planet_XXXXXX] (suffix with random code for uncertain model)
	Number of Connected Devices	≤3
	WiFi Signal Connection	≤6 meters
	Input Supply Port	USB-C (for charging use)
	Signal Connection port	USB - A
	Top Connection mode	Magnetic Adsorption and 1/4" Screw
	Bottom Mount Thread	1/4"
Others	APP	TinyScope

06 / Toxic and Hazardous Substances or Elements

Part Name	Harmful and hazardous substances or elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDEs)
Circuit Board Assembly	×	○	○	○	○	○
Plastic	○	○	○	○	○	○
Metal	○	○	○	○	○	○
O: Indicates that the hazardous substance content in all homogeneous materials of the part below the limit in SJ/T11363-2006 standard.						
X: Indicates that this toxic or hazardous substances, at least in the part of a homogeneous material content beyond the SJ/T11363-2006 standard.						
Note: The reason why this product is marked with "X" is that there is no alternative technology or component to choose from at this stage.						

07 /Notes

Warning:

- Do not disassemble or modify the product for any reason, otherwise the faults are not within warranty, and shall be your own safety responsibility.
- Do not let the product in direct contact with the liquid, the part of the product is not water-proof.
- Do not place the product in too high or too low temperature (above 60℃ or below 0℃).
- Do not contact the shell with hard or sharp objects to avoid damage.
- This product contains small parts, please do not swallow to avoid danger.
- Do not insert the same cable into the USB-A and USB-C interfaces on the Planet to avoid damage to the internal components.
- Because the peak power of Planet working with Dwarf is greater than the charging power, in order to have a good user experience, it is recommended to shut off Planet before charging.
- Do not turn the Planet directly to avoid damaging product internal structure.
- The load shall not be greater than 500g.

Battery and Charging Instructions:

The Planet smart pan/tilt uses a built-in lithium battery. Before the first use, please fully charge the Planet smart pan/tilt to activate the battery to ensure the smooth use of the product. When the indicator light is always red, it indicates that the battery level is below 10%. Please charge in time. The Planet smart pan/tilt uses universal USB-C interface, and the mobile phone charger and mobile power supply can charge as well. The battery will automatically stop charging when full, please disconnect the charger.

Note:

- Do not overcharge or over-discharge the battery, otherwise it will cause damage to the core;
- If the battery is idle for a long time, recharge every 3 months to keep the battery active.

TEL: 027-65527110

The Company's official website: www.tinyscope.com

Company Address: 2505, Luoyu Road, Hongshan District, Wuhan.05

FCC WARNING

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

FCC ID: 2AXYI-KWY001