3D PRO Scanning Camera
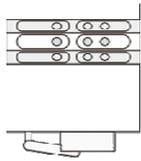Product Manual

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Item List
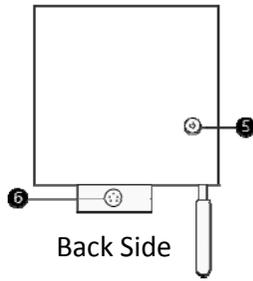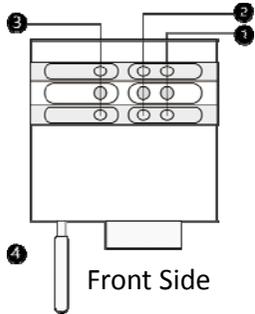

| 3D PRO Camera | Mobile Power Bank | Power Cable | Power Adapter | Scanning Software |

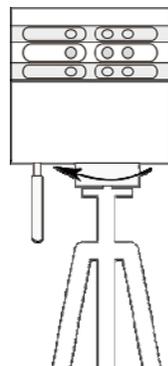* Pictures are for reference only

Part Name

Front Side   Back Side

❶ Infrared Receiver Camera
❷ RGB Color Camera
❸ Infrared Transmitter
❹ Camera WIFI Amplifier
❺ Camera Power Switch
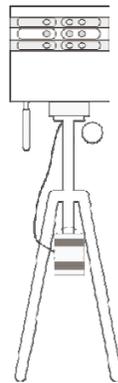❻ Power Cable Interface

Camera Installation
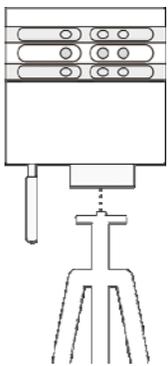
1. Affix the camera on the tripod by aligning the tripod mount (small holes located on the bottom of the camera) on the bolts of the tripod.

2. Stabilize the camera by holding the camera plate and turning clockwise. Tighten so that the camera plate is fixed to the tripod.

3. Adjust the tripod to the required height. Connect to the mobile power bank via the power cable. The mobile power bank can hang down from the tripod.

Operation Guide

1. Install Scan Application "3DNest" on your iPad
2. Switch on the camera, and the camera's WIFI network will turn on automatically
3. Open the iPad's WIFI connection and connect to the camera's WIFI network (the network will begin with the letter "N")

无线局域网	
✓ N30001770029	🔒 🛜 ⓘ
选择网络...	
zhongqu	🔒 🛜 ⓘ
zhongqu5G	🔒 🛜 ⓘ

Password: 3dnestnest3d

4. Control scanning via 3DNest application on the iPad

* Refer to "3D Reality Capture User Manual" for detailed instructions

3D PRO Camera Specifications

Camera Model	N300 series
Weight	3.5kg
Size	210 x 203 x 125 mm
Color	Black
Lens	9 Lens in 3 groups
Camera WIFI	802.11 b/g/n 2.4GHz
Input Voltage	14.8V
Operating Temperature	10℃ - 32℃
Storage Temperature	0℃ - 40℃
Scanning Range	3.5m - 5.0m

Mobile Power Bank Specifications

Power Bank Capacity	10,000mAh
Charging Time	2 - 3 hours
Battery Life	4 - 5 hours
Input Voltage	220V
Input Frequency	50/60Hz
Output Voltage	14.8V
Output Current	2A

FAQs

FAQ	Trouble Shooting
How to restart the 3D PRO Camera	1. Hold down the power switch for 3 seconds, wait for the camera to shutdown, and then restart 2. If the camera has not turned off by pressing the power switch down for a few seconds, unplug the power cord to force the camera to shut off 3. Restart the scanning software on your laptop 4. Reconnect the power cord and press the power switch to reboot
Scanning software cannot connect to the camera	1. Check that the laptop's wireless network connection is working properly 2. Check whether the laptop is specifically connected to the camera's WIFI and not a different WIFI network 3. The camera WIFI starts with N, for example: N30001770029
It takes a long time for the scanning software to connect to the Camera	1. When operating in space with high room temperature, continuous use for a long time may cause the camera temperature to run high. Turn off the camera for about 45 seconds to reduce back to normal temperature 2. Wait for the camera to cool down before turning the camera back on 3. Too long distance between the camera and laptop computer may result in slower connection speeds
Inadvertent loss of connection between the laptop and the camera	1. Make sure the battery voltage is above 14.7V. If lower than 14.7V, please recharge the battery 2. Check the laptop's WIFI signal strength. If the WIFI signal is weak, please shorten the distance between the laptop and the camera 3. Make sure the laptop is still connected to the camera WIFI. Sometimes when the
When uploading the camera data, it remains locked in "waiting to upload" status	Check whether the laptop is still connected to the Internet. After the scan is completed, the laptop shall disconnect from the camera WIFI. The laptop will, therefore, need to be connected to the Internet.

Lens Cleaning

- Lens pen: Use a professional lens brush to clean the surface of the lens and any dust in the aperture around the lens.
- Lens cleaning cloth: Use the professional cleaning cloth included in the original box. Fold the cloth several times, and use the center portion of the folded cloth to wipe gently in one direction on the lens. If you separately buy a cleaning cloth with a rough edge, please avoid hitting the lens with the edge, so as not to scratch the lens surface.
- Lens cleaner (not recommended): If there are stubborn stains that do not come out with a lens pen or lens cleaning cloth along, professional lens cleaner can be considered. Apply the lens cleaner drops on the cleaning cloth or a camera-specific cleaning brush, and wipe the wet part of the cloth or brush in one direction. Wipe until achieving the desired result.

Camera Maintenance

- Do not attempt to disassemble or modify any part of the equipment
- Avoid dropping or any strong impact
- Do not use alcohol, gasoline, thinner or any other organic solvents to clean the equipment
- Do not allow liquids or foreign objects to enter the camera
- Use only the supplied batteries. Using other batteries or power supplies may cause electric shock or fire
- Use only the specified power adapter to charge the battery
- Avoid using, placing or storing the camera in any of the following locations, as this may cause the battery to leak, overheat or explode, resulting in fire, burns or other injuries:
  - Places with strong sun exposure
  - Place with temperatures over 40℃
  - Moist or dusty areas

Disclaimer

- This manual has been prepared with substantial effort to make the content correct and complete, but there is no guarantee that there are no errors or omissions
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