V1.0

3DMAKERPRO

store.3dmakerpro.com



HAWK

LiDAR Scanner

3DMAKERPRO

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JimuMeta

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Software

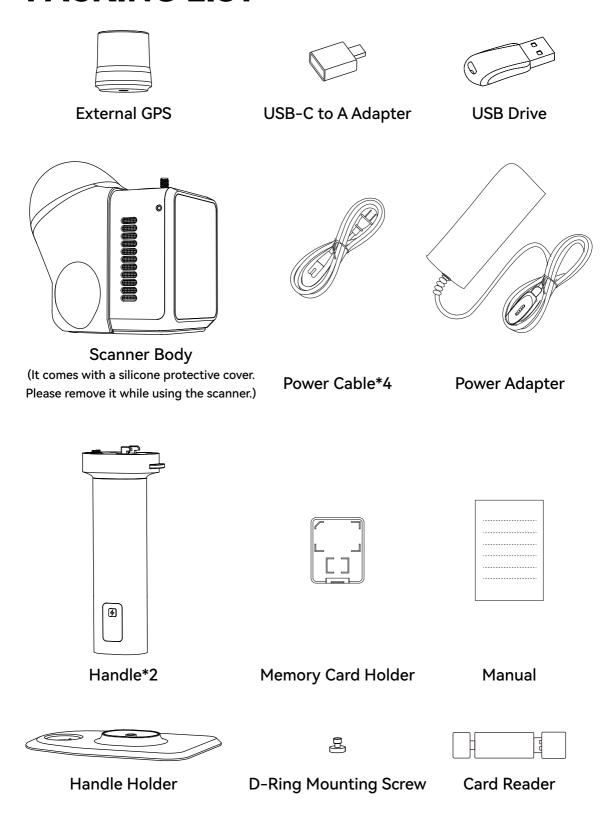
RayStudio

Supported OS

Windows | iOS

3D MAKERPRO LIMITED

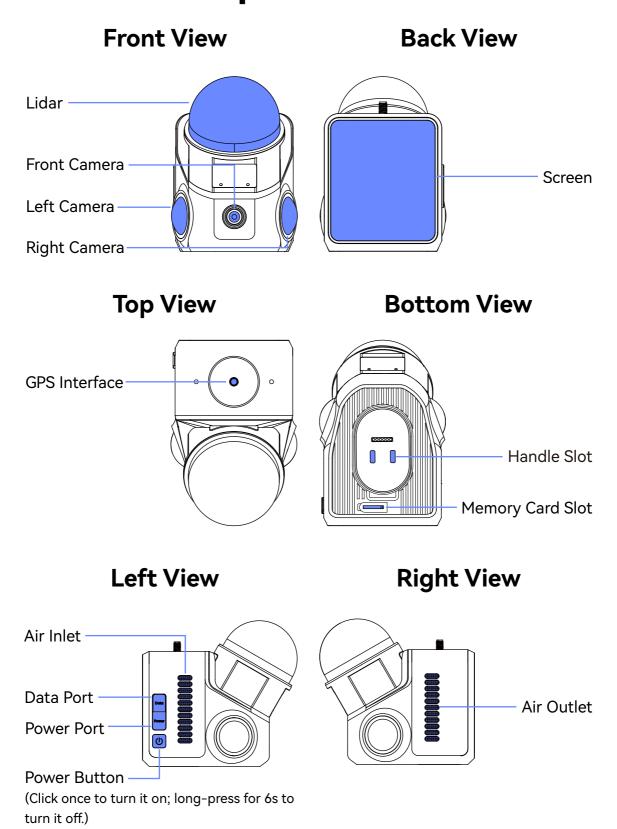
PACKING LIST



^{*}Product images are for illustrative purposes only! The actual product may vary.

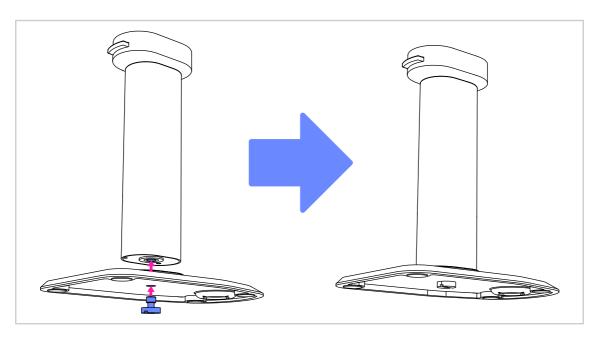
^{*}The memory card has been installed in the device before leaving the factory. The memory card holder is for storing the memory card.

Scanner Components



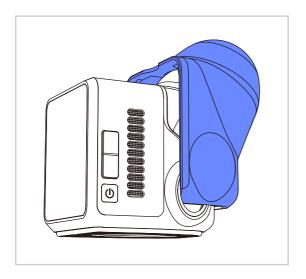
^{*}The power port is for connecting to an external power supply. (The connection to the handle is optional.)

Hardware Assembly

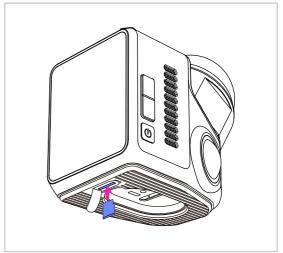


①Connect the handle holder to the handle using the ring screw.

Pass the D-Ring mounting screw through the screw hole on the handle holder first, pre-fix the handle on the holder, then tighten the screw at the bottom.

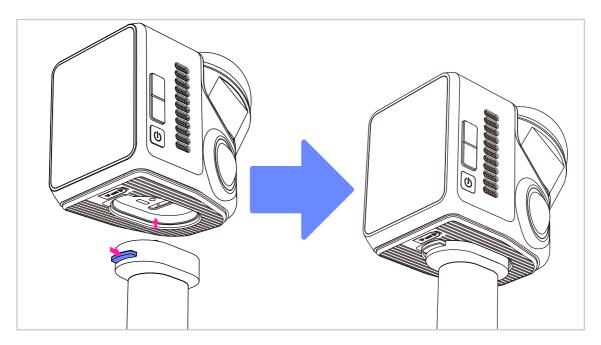


②Remove the silicone protective cover before usage.

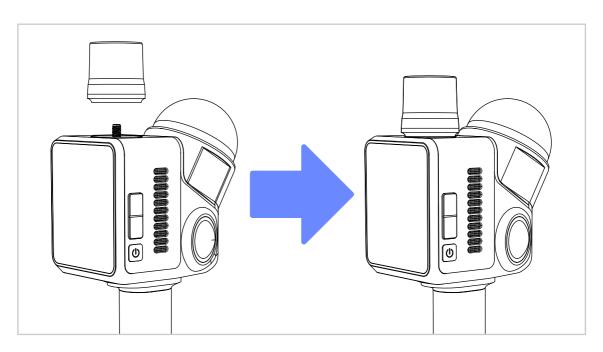


*3Insert the memory card into the device through the bottom card slot.

(The memory card has been installed in the device before leaving the factory. It can also be removed if necessary.)

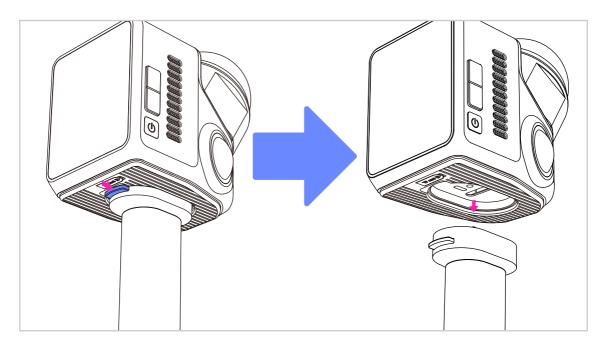


@Press the button on the handle to connect it to the device.

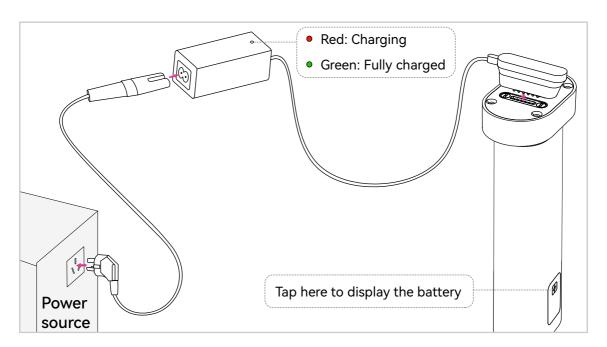


⑤Install the external GPS on the top of the device through the GPS interface.

Battery Charging



①Press the button on the handle to disconnect it from the device.



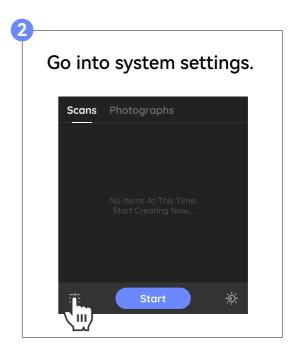
2 Please follow the image to connect the cables.

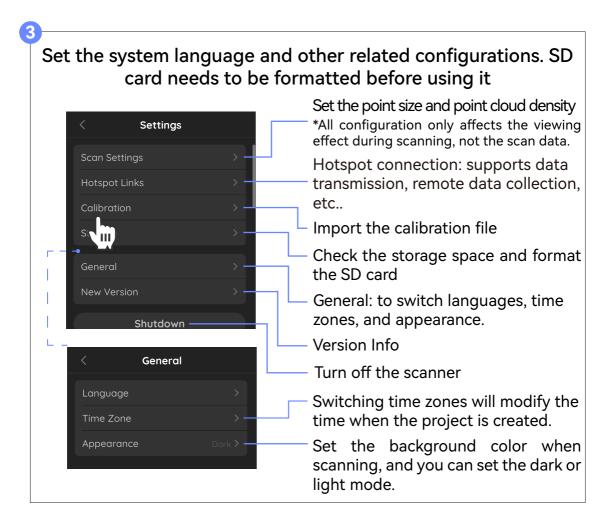
^{*} Please select the appropriate power cable according to actual conditions.

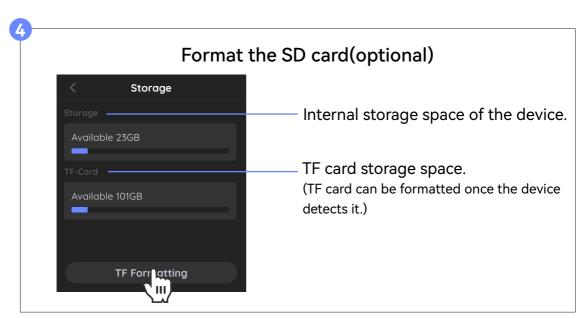
Before Scanning

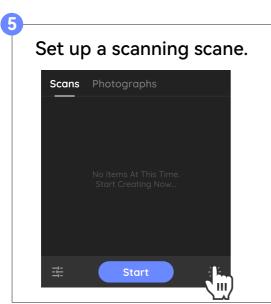
Single press the button below the screen to turn on the device.

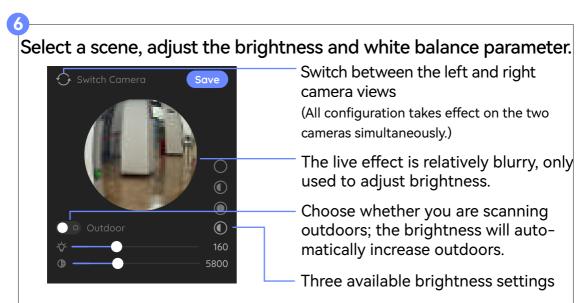
3DMAKERPRO



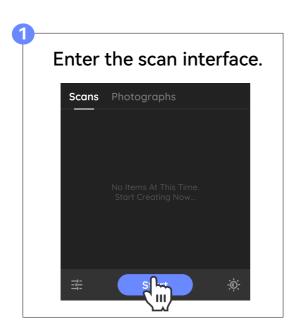


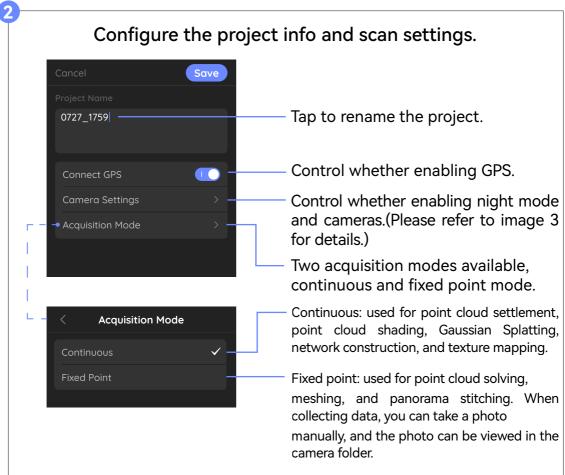


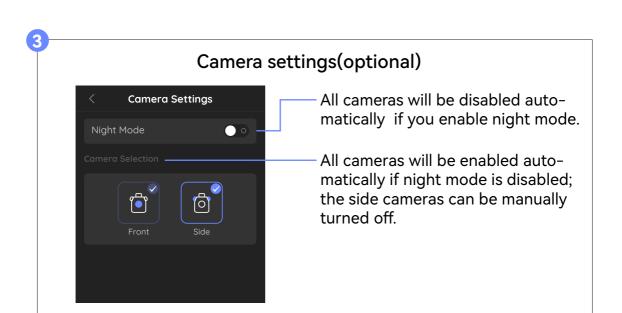




Start Scanning

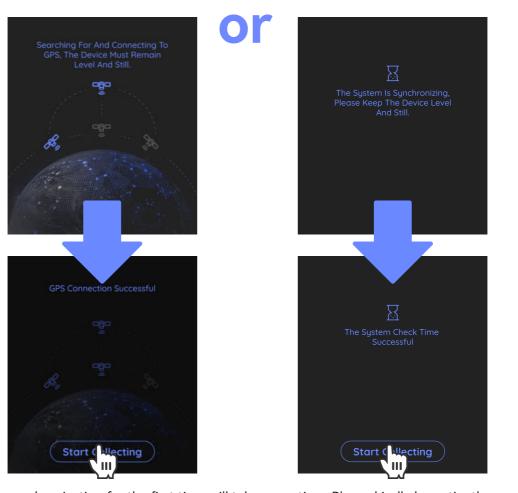






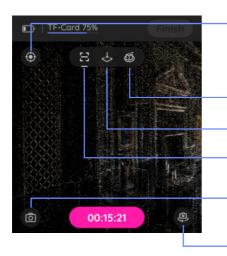
GPS connection and time synchronization(GPS enabled)

Time synchronization(GPS disabled)



Time synchronization for the first time will take some time. Please kindly be patient!

The scanning starts.



Add control point

The control point can be added manually in real time for modifying its coordiates later.

Top view with 45° inclined

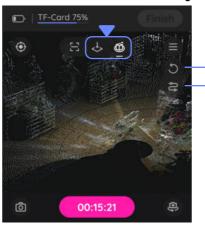
Top view

Front camera view

* In fixed-point acquisition mode, click here to take photos.

Live/point cloud display when split-screen mode is off.

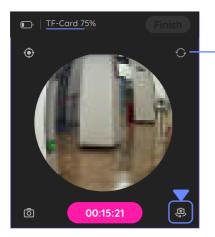
* Switch between top view with 45° inclined and front camera view to check the initial view and trajectory line.



Initial view, for returning back to the initial scanning view.

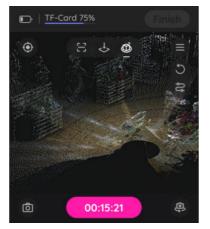
Trajectory line, for viewing the shooting trajectory while scanning.

*In live mode, you can view the current shooting situation.

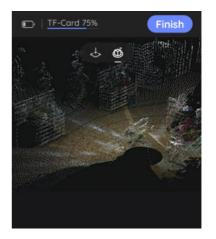


Click to switch camera view

Tap the timer to end scanning.



Confirm the scan result.



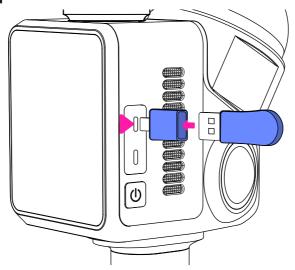
Data Export

Export the data with the provided USB drive or through a hotspot.

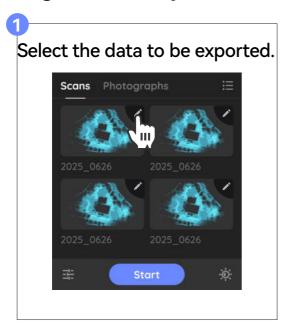
(*If the above methods do not work, you can export it with the card reader.)

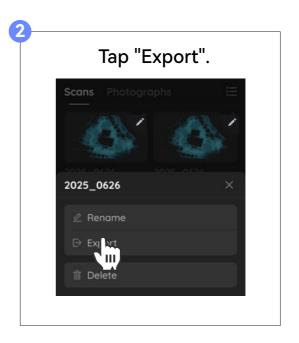
Export using USB drive

Connect the USB drive with the adapter, and insert them into the device via data port.



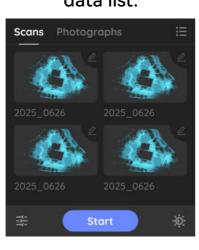
Single Data Export





Batch Export

Tap the icon to manage the data list.

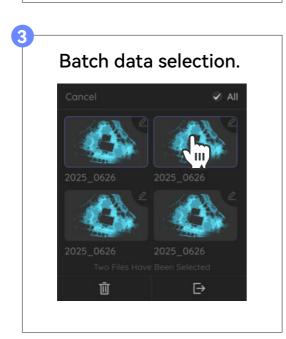


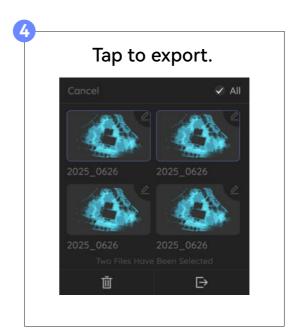
Set the sorting method and enter the selection page.

Scans Photographs

2025_0626 2025_0626

Batch Management ×





Export through a hotsopt

For detailed instructions, please refer to the following link:

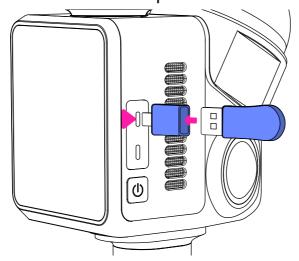
Upgrade to Latest Version

Preparing for Upgrade

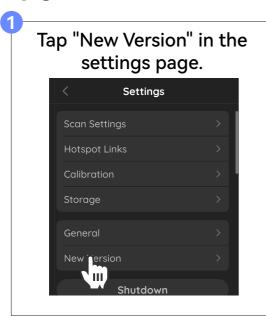
1. Download the latest firmware from our JMMeta community(https://fo-rum.jimumeta.com/home/help/support.html) to the USB flash drive and save it in the folder named upgrade.

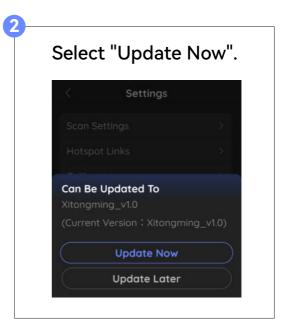
Note: The upgrade folder needs to be created manually if there's no such folder in the USB.

2. Turn on the device first, then connect the USB flash drive to the converter and insert it into the data transmission port of the device.



Upgrade



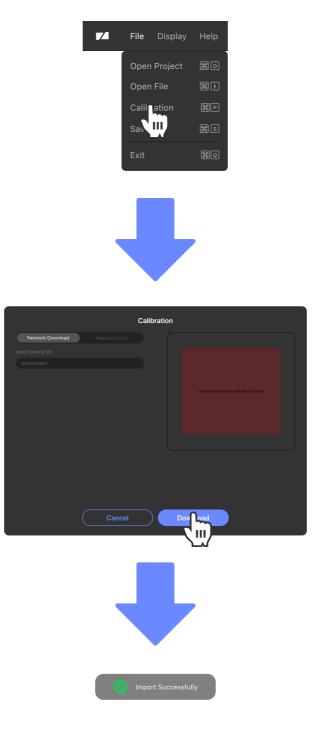


Import the Calibration File

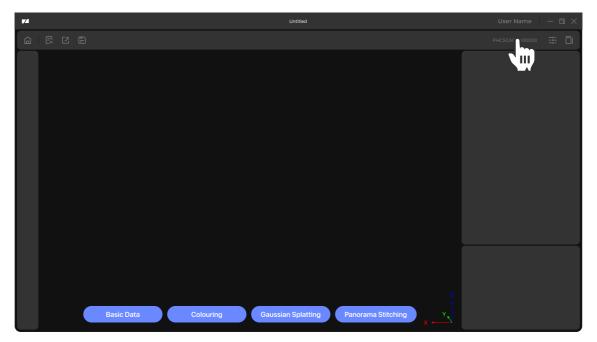
The device has been calibrated before leaving the factory. If your device needs to be re-calibrated, please follow the steps below to re-import the calibration file.

Preparation before importing the file

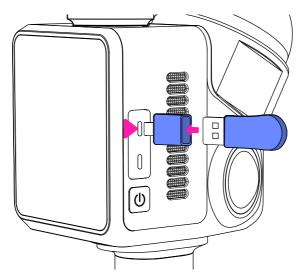
1. Enter the device SN number in the PC software and download the calibration file.



2. Click the top right corner of the PC software to get the path of the calibration file, and download the corresponding calibration file to the U-drive in the 'calibration' folder (if this folder does not exist, you need to create a folder with this name first).



3. Connect the USB flash drive to the adapter and insert them into the the device via data port.



Import

Tap "Calibration" in the settings page.

Settings

Scan Settings

Hotspot Links

Calibration
Storc Settings

Shutdown



FCC Statement

- 1. 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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.
- 2. 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 hammful interference to radio communications. However, there is no guarantee that interference will notoccur in a particular installation. if this equipment does cause harmfil interference to radio or television reception, which can be determined by tuming 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.

The device has been evaluated to meet general RF exposure requirement, This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.