SHINING 3D®

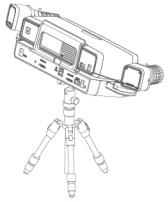
EinScan Discovery Pack

Making representations of the world in 3D more colorful and accurate.

Discovery Pack

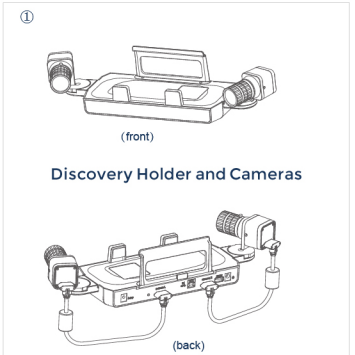
EinScan-SE & EinScan-SP Users

Preparation A : Tripod

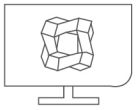


- EinScan-SE users need to prepare a tripod in advance;
- EinScan-SP users can use the tripod in the EinScan-SP package.

Preparation B : Discovery Pack



Preparation C : Hardware & Software



- Please connect the device to USB 3.0.
  The device is incompatible with cypress on the mainboard of USB 3.0.
- Please update your EinScan software to V2.7 or above.

Preparation D : Lamp House (Optional)

For better texture scan result, you can choose to use the lamp house

Lamp house selection:

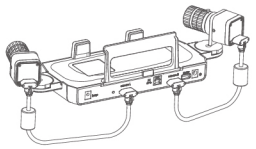
- Powered by the DC power adapter
- The DC plug and socket of the lamp house and adapter are 2.1mm needles.
- The supply current is less than or equal to 3 amperes
- The voltage can be 12V or 24V or 36V; over the safe voltage is not recommended.

Installation Instruction

Hardware
(To connect the scanner head)

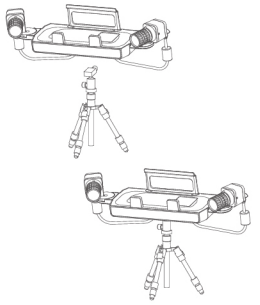
STEP 01

Take out the Discovery holder and cameras; make sure the connection are well connected.



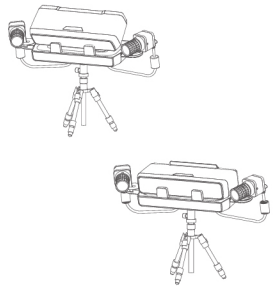
STEP 02

Place the Discovery holder and cameras on the tripod.



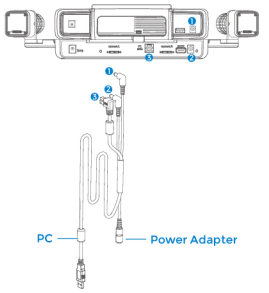
STEP 03

Fasten the EinScan-SE or EinScan-SP 3D scanner onto the Discovery holder.



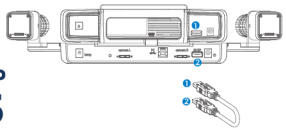
STEP 04

Connect the cable harness as shown in the figure.



STEP 05

Connect the USB cable as shown in the figure.



Installation Instruction

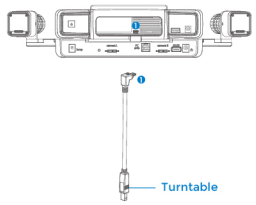
Hardware

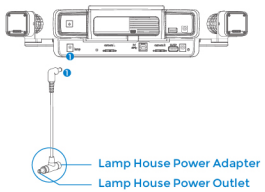
(To connect turntable and lamp house)

Connect the turntable cable as shown in the figure.

STEP 06

If you are going to use auto scan mode, please make sure your turntable is well connected to the scanner .





STEP 07 Connect the lamp house as shown in the figure.

For better texture scan quality, we suggest you to utilize a lamp house.

Touch the power button to turn on/off the device.

STEP 08

Installation Instruction

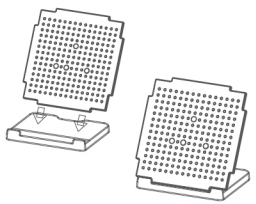
Software

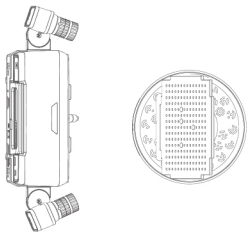
1. Calibration

Calibration Board Assembly

STEP 01

Insert calibration board onto the board holder.





STEP 02 Calibration Board Placement

Place the calibration board on the center of the turntable facing the scanner.

Installation Instruction

Software

STEP 03

Run the Calibration

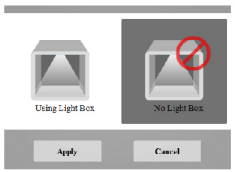
Open the software, choose your scanner model and scan mode,then go to NEXT. Get started with calibration button, following the on-screen instruction to turn the calibration board in 3 directions.
Note: Rotate the calibration board only during calibration.

2. White Balance Testing

Choose to use the lamp house or not

STEP 01

Choose "Using Light Box" when there is a lamp house connected; if without a lamp house, please select "No Light House".



STEP 02 Enter the scanning interface to start white balance testing.

Put the white paper as shown in the picture and ensure the preview window filled with the white paper. Adjust the brightness of the preview window. When the brightness is proper, click "Start white balance".

Check the color

STEP 03

After white balance testing, check again the preview window, making sure the color of the white paper is close to the actual color and then click "Apply". The white balance window will be automatically closed.

STEP 04 Follow the software's instruction to scan

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