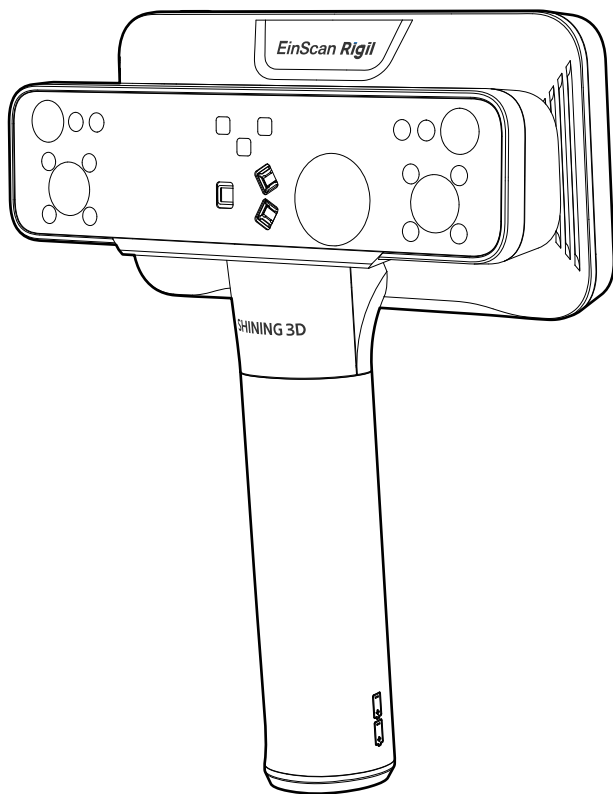




SHINING 3D

For More Shining Ideas



EinScan *Rigil*

Quick Start Guide

COMPLIANCE



LVD/EMC Directive

This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.



WEEE Directive-2012/19/EU

The product this manual refers to is covered by the Waste Electrical&Electronic Equipment(WEEE) Directive and must be disposed of in a responsible manner.



This device complies with "IEC 60825-1:2014 Safety of laser products"



Federal Communications Commission Certified.

RoHS

Restriction of Hazardous Substances Certified.



Korea Certification Certified.

Welcome!

Thank you for purchasing the EinScan Rigil scanner. We hope you enjoy scanning with your new scanner.

You can login to our user platform passport.shining3d.com to get more information.

FCC STATEMENT

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.
- Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.
- 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.

INDUSTRY CANADA STATEMENT

This Class B digital apparatus complies with Canadian ICES-003.
CAN ICES-3(B)/NMB-3(B).

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) L'appareil ne doit pas produire de brouillage, et (2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RESTRICTIONS IN THE 5 GHZ BAND

Within the 5.15 to 5.25 GHz band, UNII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel Mobile Satellite System (MSS) operations.

RESTRICTIONS DANS LA BANDE DE 5 GHZ

Dans la bande de 5,15 à 5,25 GHz, les appareils UNII seront restreints aux opérations intérieures pour réduire toute possibilité d'interférence pouvant nuire aux opérations du système satellite mobile dans le même canal (MSS).

RF EXPOSURE REGULATIONS (FCC IC):

The SAR limit of USA/Canada is 1.6 W/kg averaged over one gram of tissue for Body and 4.0 W/kg averaged over ten grams of tissue for extremity SAR, this device has also been tested against the SAR limits.

Body–Worn: The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with RF exposure requirements and should be avoided. To maintain compliance with RF exposure requirements, a 10mm separation distance between the user's body and the back of the device should be maintained.

La limite du das des États–Unis et du Canada est de 1,6 W/kg en moyenne sur un gramme de tissu pour le corps et de 4,0 W/kg en moyenne sur dix grammes de tissu pour le das des extr é mit é s.

Port é sur le corps: l'utilisation de clips de ceinture, de é tuis et d'accessoires similaires ne doit pas contenir de composants m é talliques dans son assemblage. L'utilisation d'accessoires qui ne satisfont pas à ces exigences peut ne pas ê tre conforme aux exigences d'exposition aux RF et devrait ê tre é vit é e. Pour maintenir la conformit é aux exigences d'exposition aux RF, une distance de s é paration de 10mm entre le corps de l'utilisateur et l'arri è re de l'appareil devrait ê tre maintenue.

E–LABEL:

Tap Settings > About to enter scanner information page, you can view the FCC IC ID and regulatory information. (Within three steps in a device's menu)

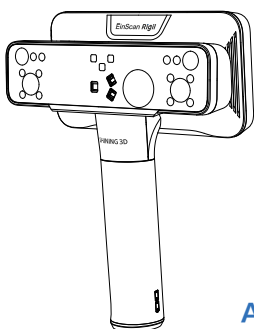
Product name: 3D Scanner

FCC ID: 2AMG4–RIGIL

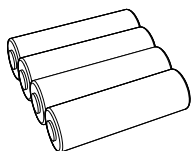
IC: 24652–RIGIL

Model: EinScan Rigil

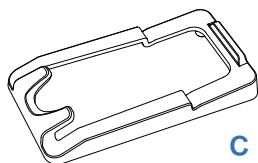
WHAT'S IN THE BOX



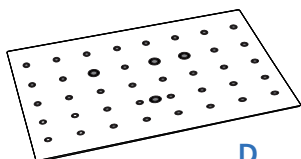
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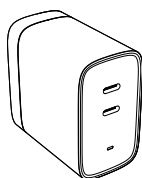
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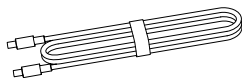
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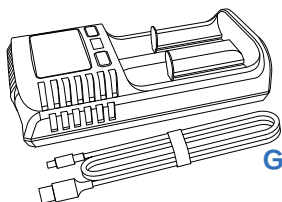
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E



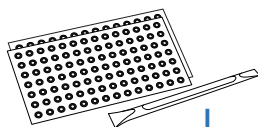
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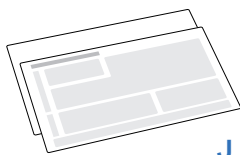
G



H



I



J

A EinScan Rigid 3D Scanner

B Battery

C Universal Holder

(Calibration Board & 3D Scanner)

D Calibration Board

E Power Adapter

F Type C-Type C Cable for Scanner

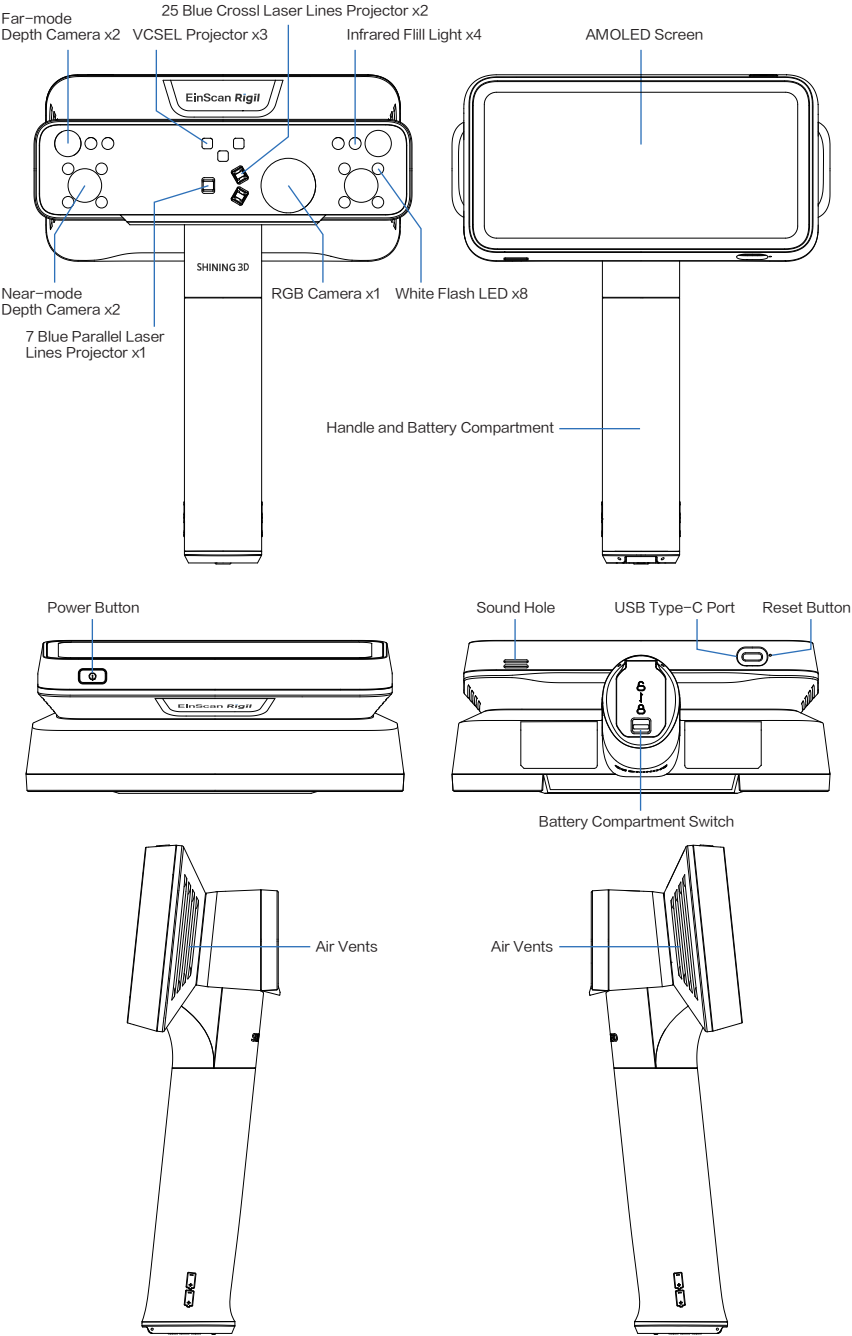
G Battery Compartment &
Battery Compartment Charging Cable

H Type-C to USB Adapter

I 3mm & 6mm Reflective Markers /
Marker Removal Tool

J Packing List & Cleaning Cloth

ABOUT EINSCAN RIGIL

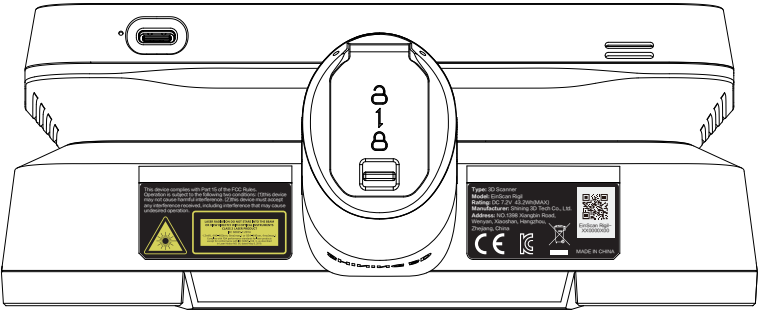


SPECIFICATION

Parameter	Description
Device dimensions	180mm x 233mm x 73mm
Device weight	870g
Working temperature	-10 °C ~ 40 °C
Working humidity	0 % ~ 90 % RH (no coagulation)
Screen	6.4-inch 2K AMOLED screen
Light source	Class I
RGB fill light	White flash LED * 8
Markers fill light	Infrared fill light * 4
3D camera resolution	HD: 2.3 mega-pixel * 2 Fast: 1.3 mega-pixel * 2
Texture camera resolution	5 mega-pixel
Battery type	Lithium polymer battery (6000 mAh * 2)
Data format	OBJ / STL / PLY / ASC
Interface	USB 2.0 or 3.0; BT; Wi-Fi 6
RAM	DDR5 32 GB
ROM	32GB eMMC + 1TB SSD
Compatible system (for StarVision)	Windows 10 or Windows 11 (64-bit); macOS (recommended: macOS 11.0 or above with Apple Silicon)

Frequency Range (RF)

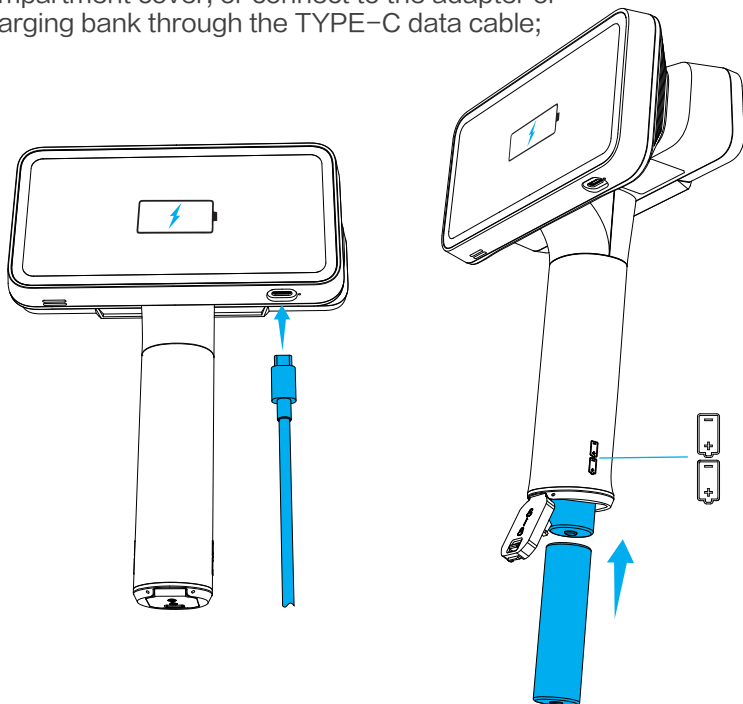
- BT: 2400 – 2483.5 MHz (TX / RX)
 - *Wi-Fi (2.4G): 2400 – 2483.5 MHz (TX / RX)
 - *Wi-Fi (5G): Band 1: 5150 – 5250 MHz (TX / RX); Band 4: 5725 – 5850 MHz (TX / RX)
- BT: <10 dBm (max.e.i.r.p)
 - *2.4G Wi-Fi: < 20 dBm (max.e.i.r.p)
 - *5G Wi-Fi: < 23 dBm (max.e.i.r.p)



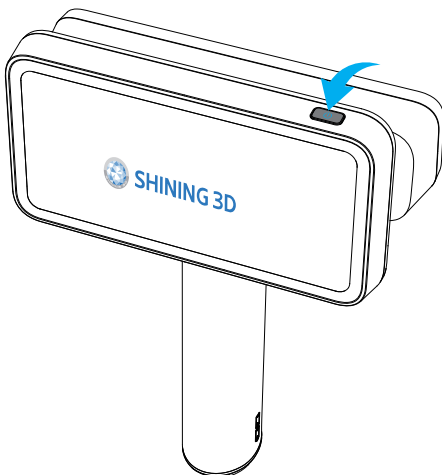
Note:
Serial number can be found on the back of the scanner after the silicon case is removed or on the back of the calibration board, which is like “EinScan Rigil-XX0000X00”

BASIC OPERATION

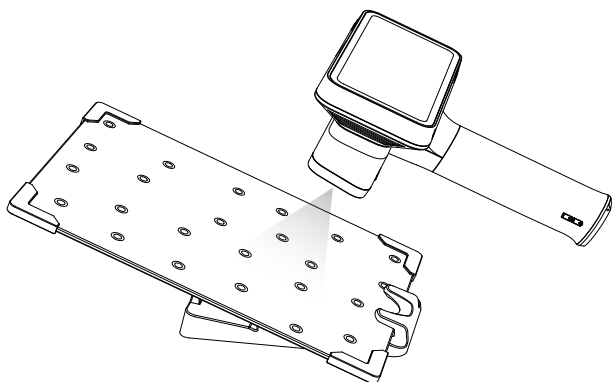
STEP 1: Install the two batteries according to the figure (pay attention to the battery direction) and close the battery compartment cover, or connect to the adapter or charging bank through the TYPE-C data cable;



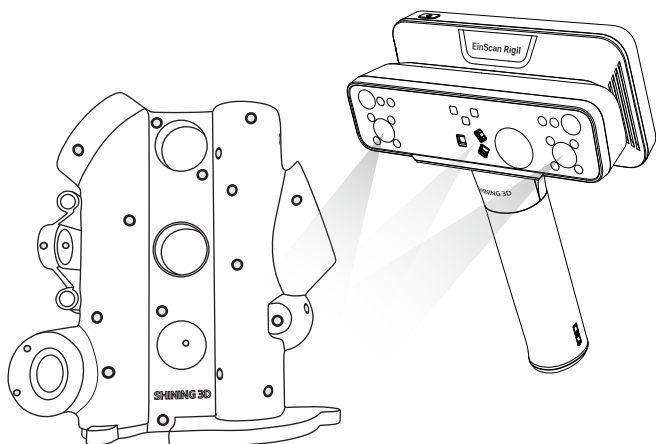
STEP 2: Long-press the Power Button (5s) to turn on.



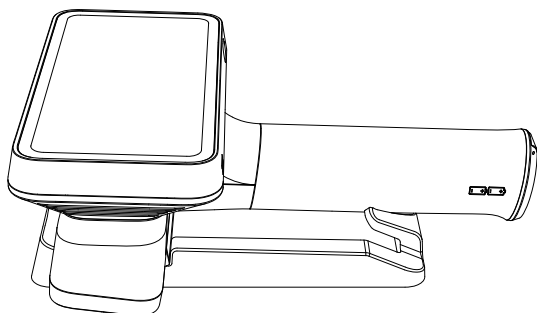
STEP 3: Calibrate according to the prompts after startup.



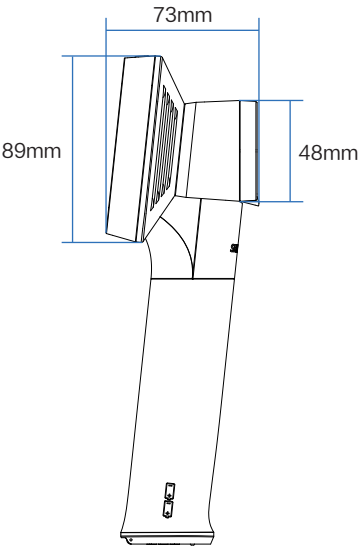
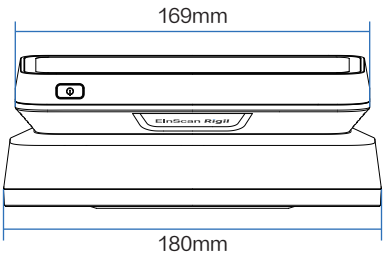
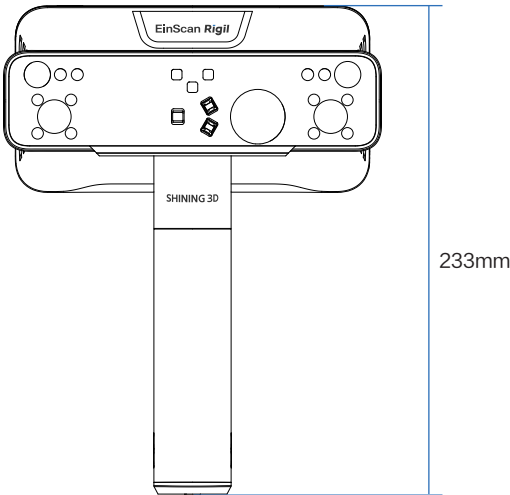
STEP 4: Choose the appropriate mode for use.



STEP 5: After use, place in a carrying case or on a holder.



DIMENSION DRAWING





SHINING 3D

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