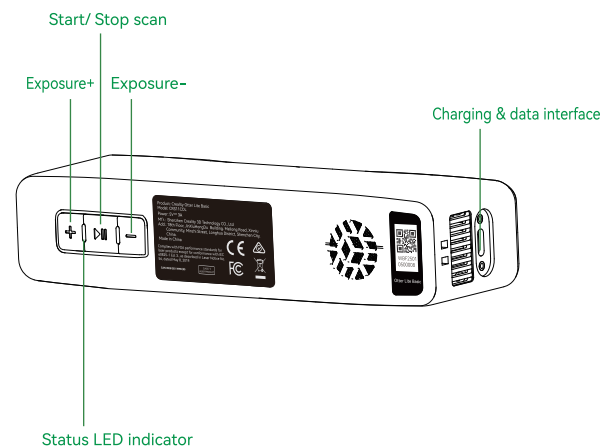
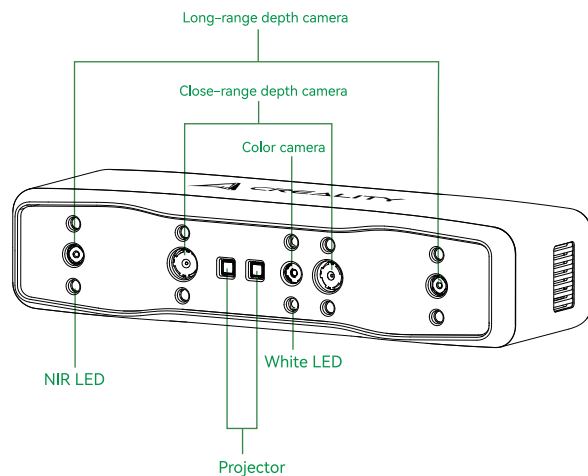


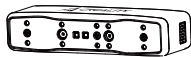
Otter Lite Basic 3D Scanner

Quick Start Guide V1.0

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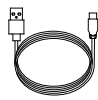
02 PACKING LIST



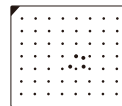
Creality Otter Lite Basic *1



USB3.0 data cable
(USB-C/USB-A2m)* 1



USB 2.0 power cable (USB-C/USB-A 1.5m)*1



High-precision
calibration board *1



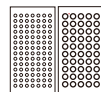
Turntable* 1



Scanning test object (OWL)*1



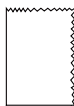
USB-C adaptor *2



Reflective markers
(Diameter: 6mm*2, Diameter: 3mm*2)



Quick Start Guide & Certification
& Warranty card * 1



Cleaning cloth * 1



Lanyard *1



Portable case *1

03 DOWNLOAD AND INSTALL

Scanner software download address: <https://wiki.creality.com/en/software>

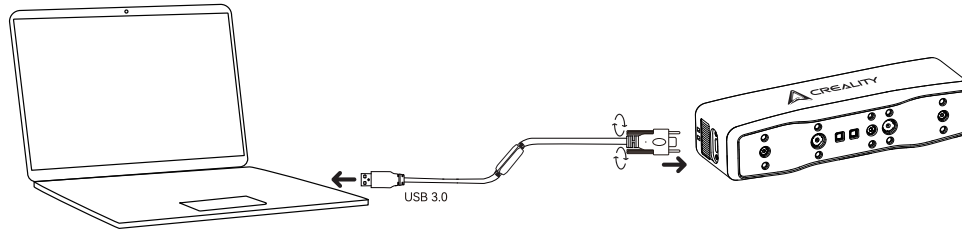
Go to the official Creality Scan software download page and find the appropriate software version to download.

Note: After you have completed the software installation on your MAC, please authorize the 3D scanner to read and write files so that you can optimize the point cloud and generate a model when using the software.

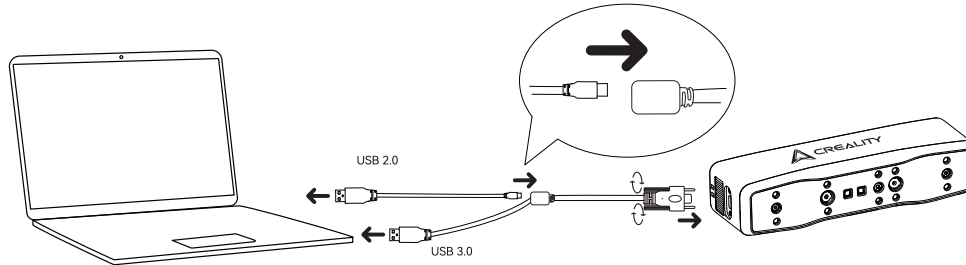


04 SCANNER CONNECTION

Method 1: Connect to the computer's USB 3.0 port using the USB 3.0 data cable.



Method 2: If the computer only has USB2.0 port or insufficient power supply from the USB3.0 port, use the USB2.0 power cable for auxiliary power. Connect the USB2.0 cable to the middle port to the USB3.0(as shown in the figure), and the other side of the port can be simultaneously connected to another port on the computer or used with a 5V charger to provide auxiliary power to the scanner .



05 FIRST SCAN

Please scan the QR code to view tutorial on scanning and data processing.



06 BUTTON AND INDICATOR DESCRIPTION

3D Scanner Button Description

Button	Scanner Feedback
▶	Press once to start scanning; press again to pause scanning; long press for ≥ 2 seconds to end scanning.
+	IR camera exposure time increased by 10%
—	IR camera exposure time reduced by 10%

*Note: When the distance indicator starts flashing during scanning, it means that the scanning tracking is lost and the scanner needs to return to the scanned area to restore the scanning stitching relationship.

Indicator Strip

Button Indicator Light	Status or Meaning	Reference Color
Green	The scanner is operating normally, the scanning distance is appropriate, or the scanner firmware upgrade is successful.	+ ▶ —
Red and Flashing	The scanner is in an abnormal state	+ ▶ —
Yellow and Flashing	The scanner is in upgrade state	+ ▶ —
Orange Red	Scanning distance is too close	+ ▶ —
Orange	Scanning distance is short	+ ▶ —
Light Blue	Longer scanning distance	+ ▶ —
Dark Blue	Scanning distance is too far	+ ▶ —

07 PRODUCT SPECIFICATIONS

Product Name	Creality Otter Lite Basic
Model	CRS11COL
Scanning Mode	NIR(infrared binocular structured light)
Accuracy	0.05mm@100mm ^[1]
Resolution	0.1~2mm
Scanning Frame Rate	Up to 30fps
Min.scan Volume	20mm x 20mm x 20mm
Single Capture Range	Close range mode 100mm*62mm@120mm 160mm*130mm@250mm Long range mode 352mm*254mm@300mm 788mm*509mm@400mm 1460mm*1017mm@1200mm
Working Distance	120mm~1200mm
Color Mapping	Yes
Alignment Mode	Marker/geometry/texture
Output Format	OBJ/STL/PLY
IMU	Yes
Marker Recognition Enhancement	8 Infrared LEDs
Color Supplemental Light	2 White LEDs
Laser Safety	Class I (eye safe)
Weight	235g
Size	173mm*39mm*56mm
Calibration Board	High precision calibration board
System Support	Windows/macOS

System Requirement	<p>Windows 10/11 (64bit) Recommended configuration: CPU i7-Gen7 and above, Nvidia or AMD graphic card, 16GB RAM or higher; Minimum configuration: CPU i5-Gen8 and above, 8GB RAM or higher.</p> <p>macOS Recommended configuration: 11.7.7 and above (Big Sur/Monterey/Ventura) Apple M1/M2/M3/M4 series processors, RAM 16GB or higher. Minimum configuration: 10.15.7 and above (Catalina/Big Sur/Monterey/Ventura) Intel processor (i5-Gen8 CPU and above), RAM 8GB or higher.</p>
Data Interface	Type-C/USB3.0/USB2.0
Input Power	USB3.0 5V 3A
Operating Temperature	-10°C to 40°C
Operating Humidity	10~90%RH
[1] Accuracy is evaluated in a laboratory environment and actual results may be affected by the operating environment, such as temperature, vibration, and other factors.	

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Creality Wiki



FCC compliance statement

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.

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

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.

Hereby,[Shenzhen Creality 3D Technology CO., LTD] declares that the radio equipment type [Creality Otter Lite Basic] is in compliance with Directive 2014/30/EU. The full text of the EU declaration of conformity is available at the following internet adress: www.creality.com