

SERMOON

P1



**Creaform Sermoon P1 3D Scanner
Quick Start Guide V1.0**

Thank you for choosing the Creality Sermoon P1 3D scanner. This guide aims to help you quickly understand the basic information and scanning process of this scanner, opening up a whole new 3D scanning experience. You can visit the Creality official Wiki: <https://wiki.creality.com/3d-scanner> to get the latest "Creality Sermoon P1 Quick Start Guide", detailed tutorials and videos. This guide will be continuously updated; please refer to the latest version for the most up-to-date information.

Important Notes

- Do not allow the scanner to come into contact with water or other liquids. Avoid bumping or impact during use.
- To ensure optimal performance, please operate in a suitable working environment.

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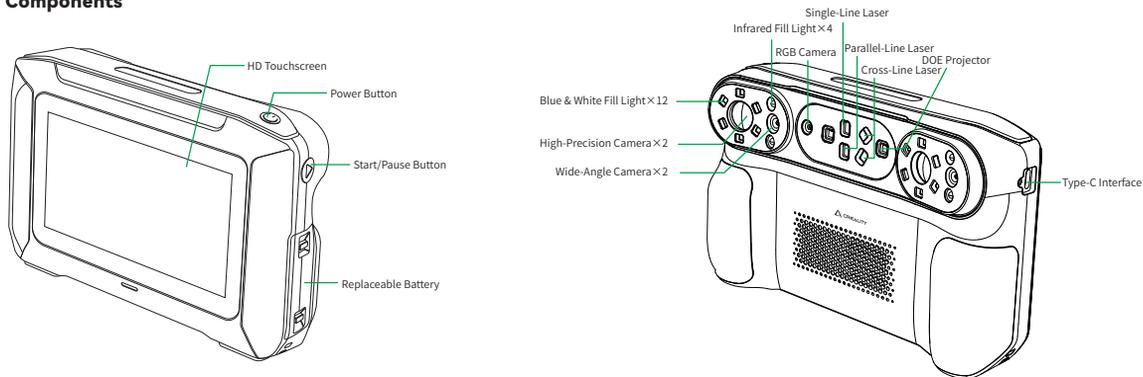
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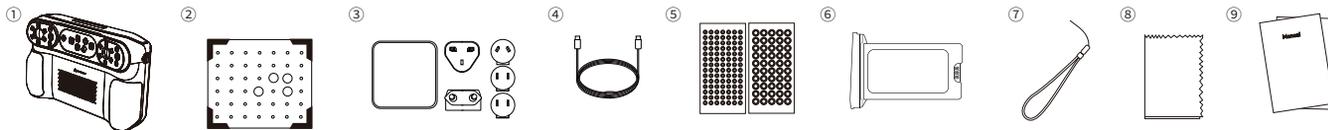
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1. PRODUCT INTRODUCTION

1.1 Scanner Components



1.2 Packing List



①	Creality Sermoon P1 3D Scanner * 1	⑥	Spare Battery * 1
②	High-Precision Glass Calibration Board * 1	⑦	Lanyard * 1
③	Power Adapter + Connectors * 1	⑧	Cleaning Cloth * 1
④	2m USB 3.0 Type-C Data Cable * 1	⑨	Quick Start Guide & Certificate of Conformity & Warranty Card * 1
⑤	Reflective Markers (D6mm * 10, D3mm * 10)		

2. FIRST-TIME USE

Creality Sermoon P1 supports two working modes: standalone mode and PC connection mode. You can choose the appropriate mode to operate according to your needs.

2.1 Standalone Mode (No computer connection required)

The Creality Sermoon P1 3D scanner has a built-in operating system and screen, allowing it to perform scanning and basic processing independently.

Step 1: Power-on Preparation

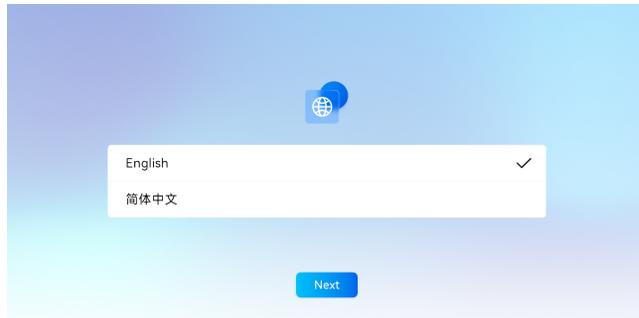
Make sure the scanner has sufficient power.

Note: Before charging, users should select the appropriate connector according to their country and push the selected connector into the adapter body (the adapter body prongs are fixed and cannot be lifted directly for use).

Press and hold the power button for 2 seconds to turn on the device and enter the main interface.

Complete First-Time Setup

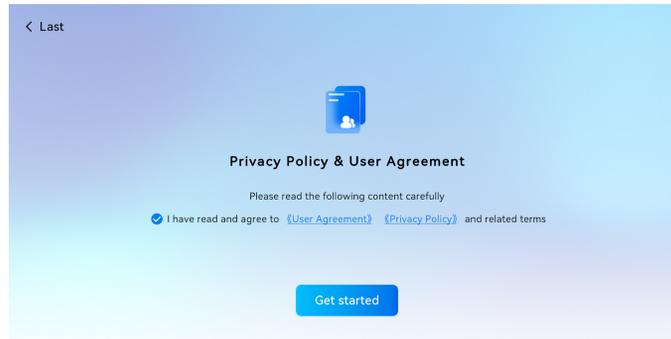
1. Language Selection : Select your language and click [Next].



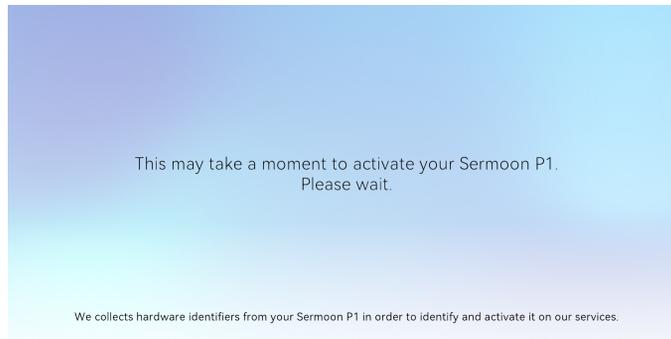
2. Network Connection: Select an available local area network. Once connected, you will be automatically prompted to proceed to the next step.



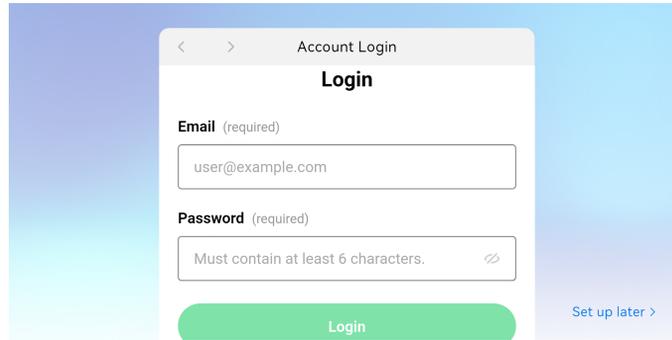
3. Privacy Policy: Please read and agree to our relevant Privacy Policy and User Agreement before using the device.



4. Activation: Device activation takes a while, please be patient.



5. Account Login: Supports login with Creality Cloud account . Login can be skipped without affecting normal device use.



Account Login

Login

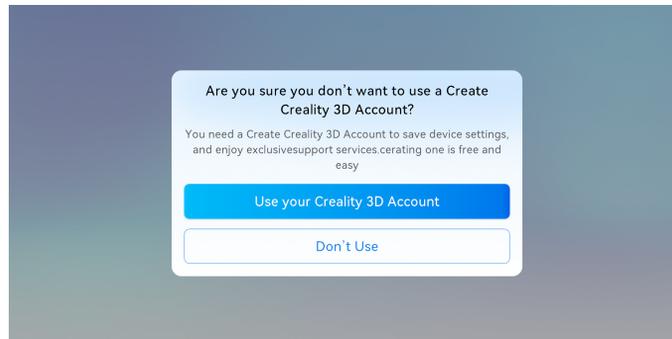
Email (required)

Password (required)

[Set up later >](#)

Login

Skipping login will trigger a confirmation pop-up. If you still do not log in, select "Don't Use" to proceed to the next page.



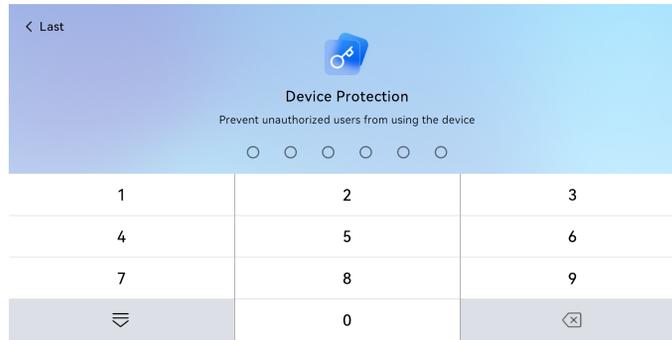
Are you sure you don't want to use a Create
Creality 3D Account?

You need a Create Creality 3D Account to save device settings,
and enjoy exclusivesupport services.cerating one is free and
easy

Use your Creality 3D Account

Don't Use

6. Device Protection: On this page, you can set a device power-on password to prevent unauthorized users from using the device.



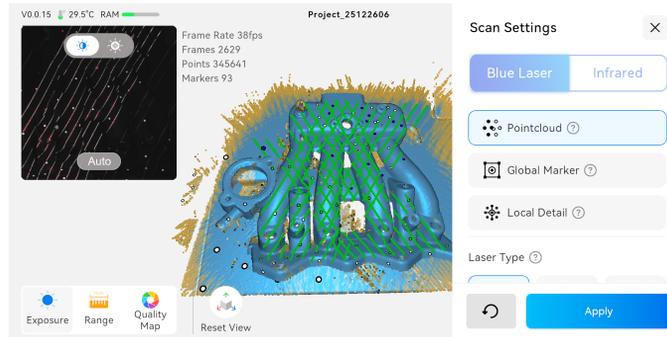
7. Welcome Page: Tap anywhere on the screen to start using the device.



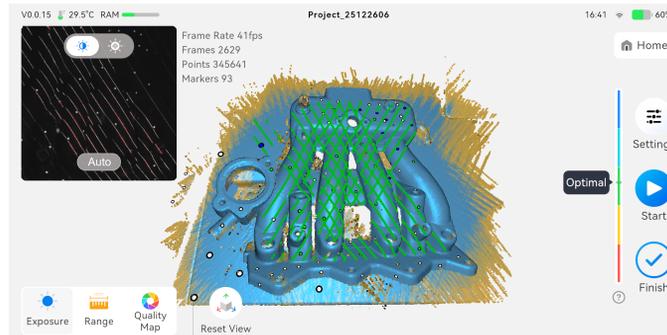
8. Beginner Tutorial Video: You can choose whether to skip it. After watching/skipping, you will be taken directly to the device scanning page to start your first scanning experience.

Step 2: Start Scanning

- Tap "New Project" on the screen to enter the scan preview page.
- Select the appropriate scan mode (Blue Laser/Infrared) and related settings based on the features of the object being scanned.
- Select the appropriate scan settings and click "Apply" to scan in the selected settings.



- Adjust the Scanning Distance : Move the scanner to adjust its distance from the scanned object. When the distance indicator bar on the right side of the screen is within the green "Optimal" range, it means the current distance is ideal for scanning.



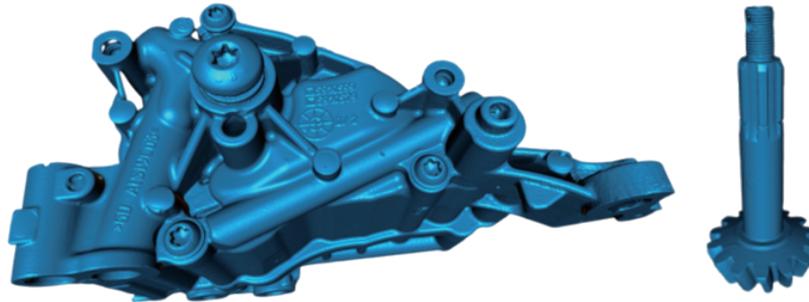
- **Start Scanning:** Short press the Start/Pause button on the scanner, or tap the [Start] button on the screen. Keep the scanner aimed at the object, move it steadily and slowly, and scan the object from all angles.
 - **Complete Scanning:** Once the data acquisition is complete, press and hold the Start/Pause button on the scanner for more than 2 seconds, or tap "Finish" on the device screen. The scanned point cloud data will be automatically displayed on the screen.
-

Step 3: Model Processing

After the scanning is complete, you can use the processing function built into the Crealty Sermoon P1 device to generate the final 3D model from the point cloud data.

● **Processing Flow (Operate on the screen) :**

1. Fusion: Fuse multiple frames of point cloud data collected during the scanning process into a complete point cloud.
2. Alignment: Multiple scans can be aligned into a complete model for result preview.
3. Meshing: Convert point cloud data into triangular mesh surfaces to generate the basic shape of the model.
4. Color Mapping (if applicable): If color information was captured during scanning, this step will map the color and texture onto the model surface.



For more detailed tutorials on model processing, please visit the Crealty official Wiki. <https://wiki.crealty.com/3d-scanner>

2.2 PC Connection Mode (Connect to Computer)

Connect to your computer via USB or Wi-Fi and use CrealityScan 4 software for more advanced scan control and model processing.

2.2.1 Software Preparation

● Download the Software: Visit the Creality official Wiki software download page: <https://wiki.creality.com/en/software/scan-software>, find CrealityScan 4 software and download it.



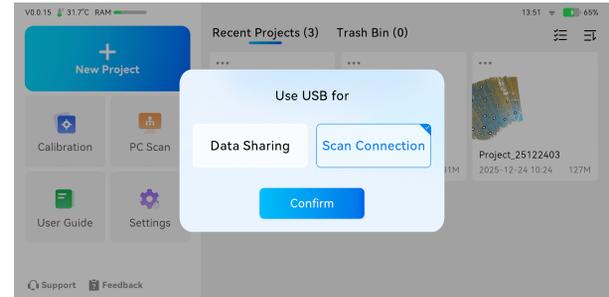
● Install the Software:

- Windows: Double-click the installer and follow the prompts to complete the installation.
- macOS: After installation, please grant the 3D scanner read and write permissions to optimize point clouds and generate models when using the software .

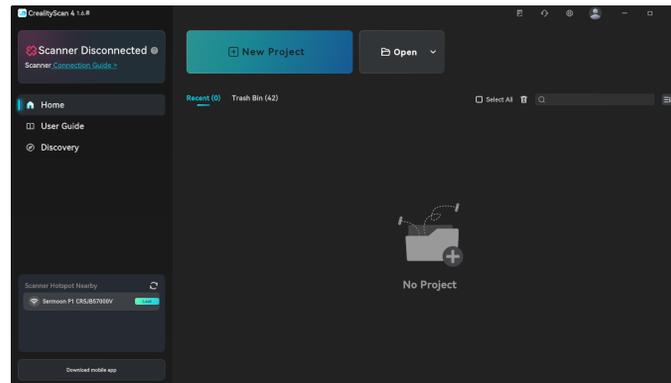
2.2.2 Connecting the Scanner

Wired Connection (USB)

- Insert the Type-C connector of the data cable into the scanner and tighten the screw.
- Insert the other end of the data cable (Type-C) into a USB 3.0 or higher port on your computer to ensure stable data transfer.
- In the pop-up window of Creality Sermoon P1, select "Scan Connection".

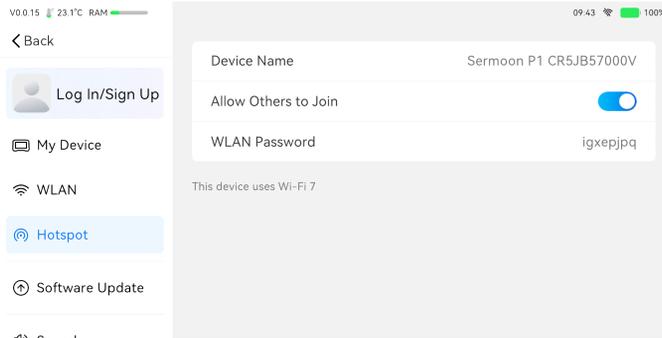


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- Open the CrealityScan 4 software on your computer, the software will automatically recognize and connect to the scanner.

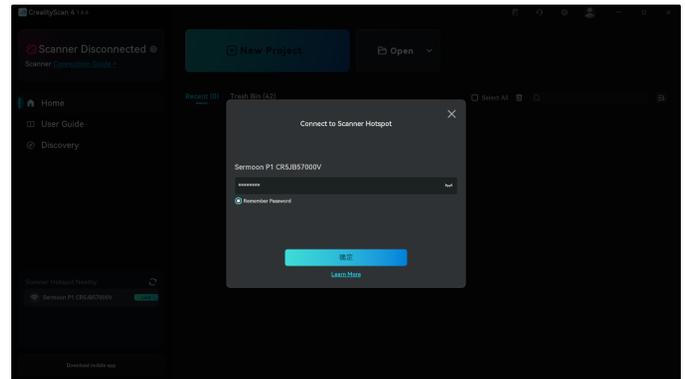
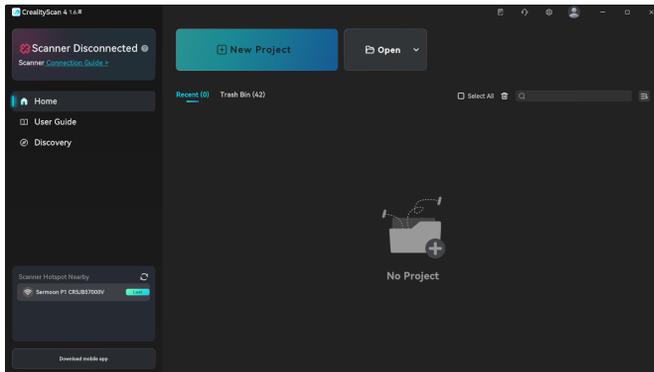


Wireless Connection (Wi-Fi)

- Step 1: Enable P1 Hotspot
 - On the Creality Sermoon P1 device screen, access the "Settings" menu, tap "Hotspot", and enable "Allow Others to Join".
 - Record the hotspot name and password.



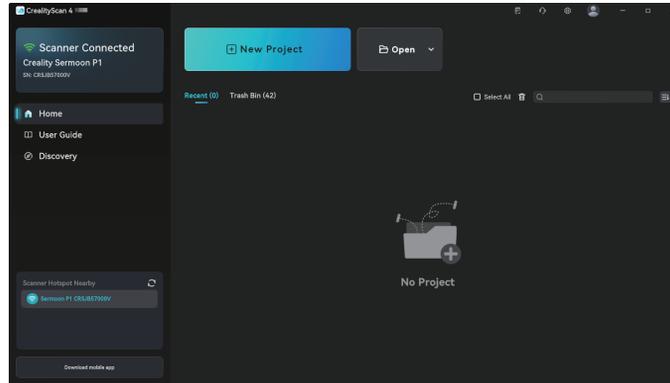
- Step 2: Connect Your Computer to the P1 Hotspot
 - In your computer's Wi-Fi settings, find the hotspot network name of the Creality Sermoon P1, click to connect, and enter the password.



- Step 3: Software Connection

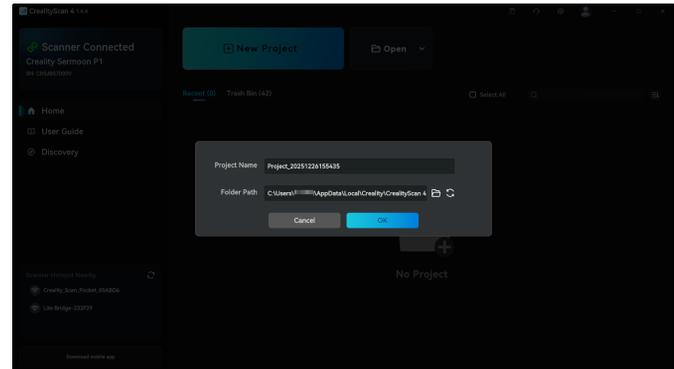
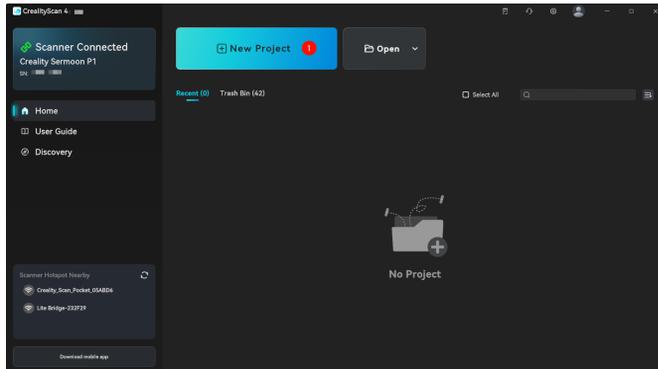
- Open the CreaScan 4 software on your computer.

- In the software interface, the software will automatically identify and display the connected CreaScan Sermoon P1 device.

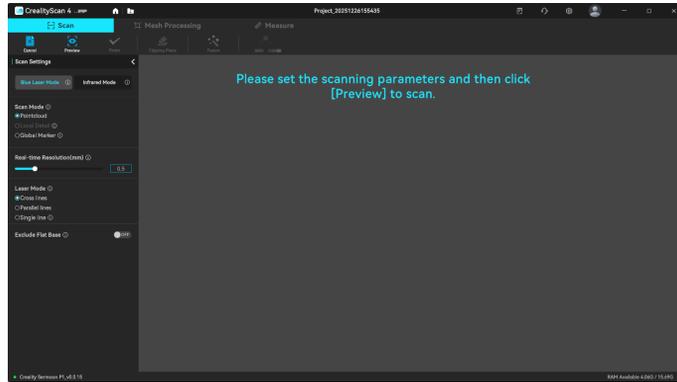


2.2.3 Start Scanning

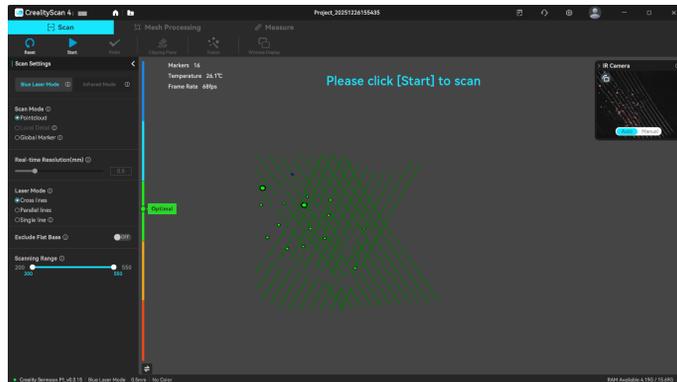
- In the CreaScan 4 software, click "New Project", enter the "Project Name" in the pop-up window, select the "Folder Path", and then click "OK".



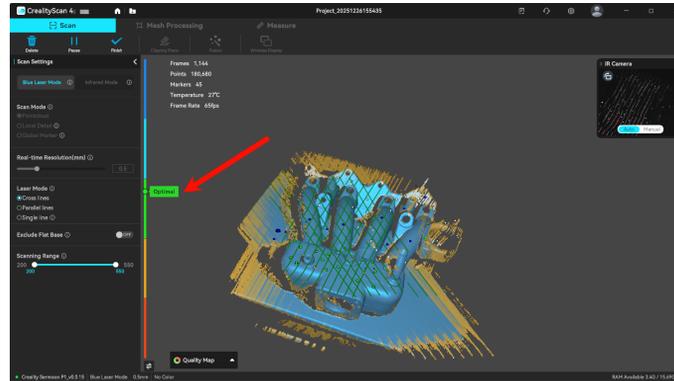
- Select the appropriate scan mode and related settings based on the features of the object being scanned.



- Click the "Preview" button to enter the scan preview interface.



- Adjust the Scanning Distance: Move the scanner to adjust its distance from the scanned object. When the distance indicator bar on the software interface is in the green "optimal" range, it indicates that the current scanning distance is ideal for scanning.

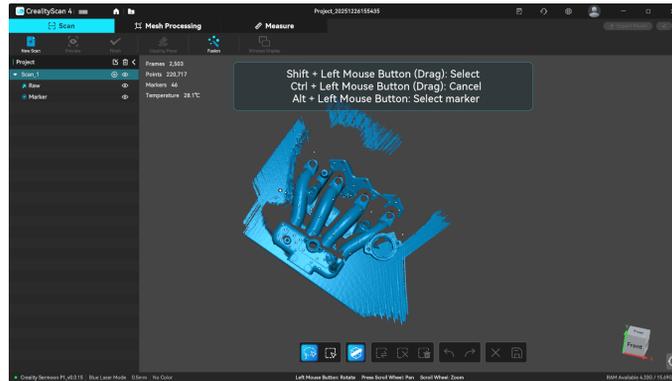


-
- Start Scanning: Short press the Start/Pause button on the scanner, or click the [Start] button in the software interface. Keep the scanner aimed at the object, move it steadily and slowly, and scan the object from all angles.
 - Complete Scanning: Once the data acquisition is complete, press and hold the Start/Pause button on the scanner for more than 2 seconds, or click "Finish" in the software interface. The scanned point cloud data will be automatically displayed in the software.

2.2.4 Model Processing

After the scan is completed, you need to use the post-processing function of CreaScan 4 software to generate the final 3D model from the point cloud data.

- One-Click Process: For beginner users, the software's "One-Click Process" function can be used, which will automatically complete point cloud fusion, meshing, and color mapping (if applicable).
- Manual Processing Procedure (recommended):
 1. Fusion: Fuse multiple frames of point cloud data collected during the scanning process into a complete point cloud.
 2. Alignment: Multiple scans can be aligned into a complete model for result preview.
 3. Meshing: Convert point cloud data into triangular mesh surfaces to generate the basic shape of the model.
 4. Color Mapping (if applicable): If color information was captured during scanning, this step will map the color and texture onto the model surface.



For more detailed model processing tutorials, please visit the official CreaScan Wiki: <https://wiki.creality.com/3d-scanner>

3. DETAILED EXPLANATION OF SCAN MODES

3.1 Blue Laser Mode

Suitable for scanning objects requiring high accuracy and rich details, it usually needs to be used with markers.

- Cross Line Laser:
 - Features: Fast scanning speed and high efficiency.
 - Applicable scenarios: Scanning large surface. It is necessary to attach markers directly to the object's surface.
- Parallel Line Laser:
 - Features: Best details.
 - Applicable scenarios: For detailed scanning of objects, resulting in richer model details . If the object is small, markers can be placed on the table around the object.
- Single Line Laser:
 - Features: Excellent at capturing hard-to-reach areas such as deep holes and grooves.
 - Applicable scenarios: Supplemental scanning of objects with deep hole features.

Tips:

- Real-Time Resolution: The smaller the resolution, the finer the model. However, this will occupy more computer memory and may affect scanning smoothness. Please select according to your computer performance and model requirements.
- Alignment: If you need to scan multiple sides of an object (such as the front and back), you can scan them in multiple steps and then use the software's "Alignment" function to combine them into a complete model.

3.2 Infrared Mode

Suitable for scanning faces, bodies , sculptures , or other objects with rich features, usually without the need to attach markers.

- Features: Safe, fast, invisible light, and harmless to human eyes .
- Applicable scenarios: Face scanning, cultural relic protection, medical rehabilitation, etc.
- Infrared mode also supports "Texture" tracking and "Marker" tracking to meet different needs.

4. OTHER FUNCTIONS

4.1 Calibration

If you notice a decrease in scanning accuracy or if the scanner has not been used for an long time, calibration is recommended. Please use the included "High-Precision Glass Calibration Board" and follow the on-screen instructions on your Creality Sermoon P1 device to restore the scanner's factory accuracy.

4.2 System Upgrade

Creality releases system updates periodically to optimize performance and add new features. Please keep your Creality Sermoon P1 device up to the latest system version and upgrade as prompted for the best user experience.

4.3 File Transfer

Select the project you want to share from the "Recent Projects" list , tap the "Share" button in the "... " icon at the top left corner, and follow the on-screen instructions to complete the file transfer.

5. SPECIFICATIONS

5.1 Hardware Parameters

Creality Sermoon P1					
Scanning Mode	Single Blue Laser Line	7 Parallel Blue Laser Lines	22 Cross Blue Laser Lines	Close-Range Infrared Structured Light	Long-Range Infrared Structured Light
Accuracy	Up to 0.02mm ^[1]			Up to 0.075mm ^[1]	
Volumetric Accuracy	0.02mm+0.06mm/m			0.075mm+0.1mm/m	
Scanning Rate (Standalone)	61,000 measurements/s	430,000 measurements/s	1,044,000 measurements/s	3,440,000 measurements/s	
Scanning Rate (PC Connection)	102,000 measurements/s	716,000 measurements/s	1,740,000 measurements/s	6,881,000 measurements/s	
3D Resolution	0.05-2mm			0.1-2mm	
Scanning Speed (Standalone)	Up to 60fps			Up to 15fps	
Scanning Speed (PC Connection)	Up to 100fps			Up to 30fps	
Min. Scan Volume	5mm x 5mm x 5mm			150mm x 150mm x 150mm	
Single Capture Range	85mm*105mm @160mm 135mm*130mm @200mm 265mm*200mm @300mm	310mm*265mm @400mm 380mm*365mm @550mm		135mm*130mm @200mm 265mm*200mm @300mm 310mm*265mm @400mm	689mm*375mm@500mm 1245mm*754mm@1000mm 1450mm*1020mm@1200mm
Working Distance	200-550mm	160mm-400mm	200-550mm	170mm-400mm	200mm-1200mm
Color Mapping	Yes				
Alignment Mode	Marker / Global Marker			Marker / Global Marker / Geometry / Texture	
Color Fill Light	12 White LEDs				
Outdoor Scanning	Below 100,000 lux	Below 50,000 lux	Below 100,000 lux	Below 30,000 lux	
Marker Recognition Enhancement	12 Blue LEDs				

Laser Safety	Class II (eye safe)	Class I (eye safe)
Processor	Qualcomm CPU, 8 core, 3.36 GHz / GPU, Adreno 740	
Built-in RAM	24GB LPDDR5X	
Built-in Storage	256GB UFS 4.0	
Display Screen	6-inch HD Touchscreen	
Charger	PD3.0 Fast Charging	
Wireless PC Scan	Yes	
Work Mode	Standalone Mode / Wireless PC Mode / Wired PC Mode	
WiFi	WiFi 7	
Device Weight	830g	
Dimensions	209 mm × 129 mm × 53 mm	
Calibration Board	High-Precision Glass Calibration Board	
PC System Support	Windows / macOS	
Computer Configuration Requirements	<p>Recommended Configuration: OS: Win10/11 (64-bit) CPU: Intel i7 13th Gen or above Dedicated Graphics Card: NVIDIA 4060 or higher (8GB VRAM) RAM: ≥64GB</p> <p>OS: macOS 14 or above CPU: Apple M3/M4 /M5 RAM: ≥32GB</p>	<p>Minimum Requirements: OS: Win10/11 (64-bit) CPU: Intel i7-Gen7 Dedicated Graphics Card: NVIDIA 1060 (6GB VRAM) RAM: ≥16GB</p> <p>OS: macOS 12 CPU: Apple M1 RAM: ≥16GB</p>
Operating Temperature	-10°C to 40°C	
Operating Humidity	10-90%RH	
[1] Accuracy is evaluated in laboratory conditions and actual results may be affected by operating environments such as vibration, temperature, and other factors.		

6. SAFETY NOTICE

About the Creality Sermoon P1 3D Scanner

- Please do not disassemble or assemble the equipment yourself.
- Please use the dedicated accessories included with the product, such as charger and calibration board.

6.1 Usage Instructions

Please note the following points, otherwise it may cause equipment damage or machine malfunction.

- Please avoid significant vibrations and impacts when using this product. The Creality Sermoon P1 3D scanner is a high-precision device with a delicate internal structure; severe vibrations or impacts may damage the structure and cause damage to the optical components.
- Please use this device at the recommended temperature and humidity.
- Please ensure the usage environment is suitable, and when using a wired connection, ensure the cable connector is intact.

6.2 Maintenance Instructions

- To clean the equipment, please use a cotton cloth dampened with diluted neutral detergent, wring it out, and wipe it. Do not use a damp cloth, volatile oil, thinner, or other liquids to wipe the equipment, as this may damage the equipment's exterior or, in severe cases, damage the equipment parts.
- Store the equipment in its instrument case in a cool, dry place with a relatively stable temperature. Avoid storing it in the following places:
 - Places with excessively high or low temperature and humidity
 - Places with a lot of dust
 - Places containing corrosive or flammable gases
 - Places containing corrosive or flammable liquids

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CAN ICES (B) / NMB (B)



RoHS REACH



Facebook Community
Discuss, Share, Interact



Creality wiki
Tutorials, FAQs, Troubleshooting,
etc.

Your device has been certified by the relevant countries and regions. You can view this electronic certification information on your device: Go to the device's "Settings" menu, select "My Device", tap "Certification Information" to find all applicable electronic certification marks and details.

SERMOON

P1



Creality Sermoon P1 三维扫描仪
快速入门指南 V1.0

感谢您选择 Creality Sermoon P1 三维扫描仪。本指南旨在帮助您快速了解此款扫描仪的基本信息及扫描流程，开启全新的三维扫描体验。

您可以访问创想三维官方Wiki: <https://wiki.creality.com/3d-scanner>，获取最新的《Creality Sermoon P1 快速入门指南》、详细教程及视频。

本指南内容会持续更新，具体内容请以最新版本为准。

⚠ 注意事项

- 请勿使扫描仪接触水或其他液体，使用时请避免磕碰或撞击。
- 为确保最佳性能，请在适宜的工作环境下操作。

目录

1. 产品介绍

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- 1.2 装箱清单

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- 2.2 PC连接模式 (连接电脑)

3. 扫描模式详解

- 3.1 蓝色线激光模式
- 3.2 红外模式

4. 其他功能

- 4.1 标定
- 4.2 系统升级
- 4.3 文件传输

5. 设备规格

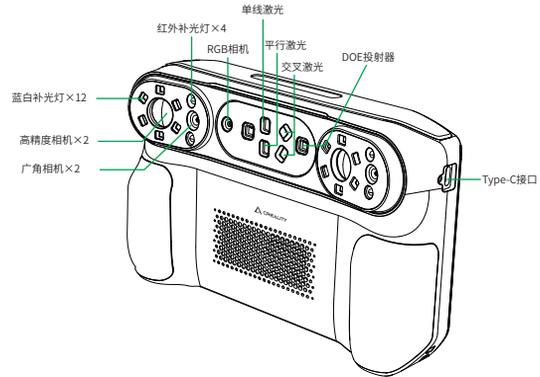
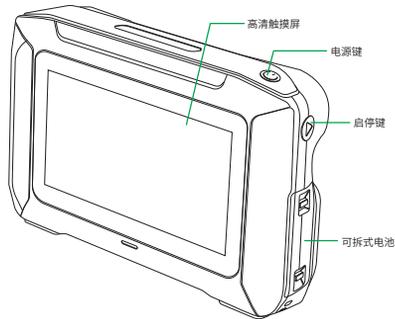
- 5.1 硬件参数

6. 注意事项

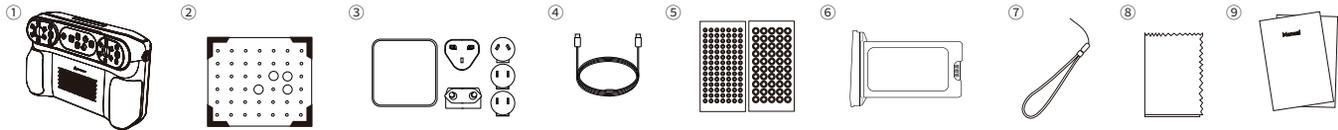
- 6.1 使用事项
- 6.2 保养事项

1. 产品介绍

1.1 扫描仪部件



1.2 装箱清单



①	Creality Sermoon P1 3D扫描仪 *1	⑥	备用电池 *1
②	高精度玻璃标定板 *1	⑦	挂绳 *1
③	电源适配器 + 转接头 *1	⑧	清洁布 *1
④	USB3.0 Type-C数据线 (2米) *1	⑨	快速入门指南, 合格证 & 保修卡 *1
⑤	反光标志点 (D6mm, D3mm) *10		

2. 首次使用

Creality Sermoon P1 支持两种工作模式：独立工作模式和 PC 连接模式。您可以根据需求选择合适的模式进行操作。

2.1 独立工作模式 (无需连接电脑)

Creality Sermoon P1 扫描仪内置操作系统和屏幕，可独立完成扫描和基础处理。

第1步：开机准备

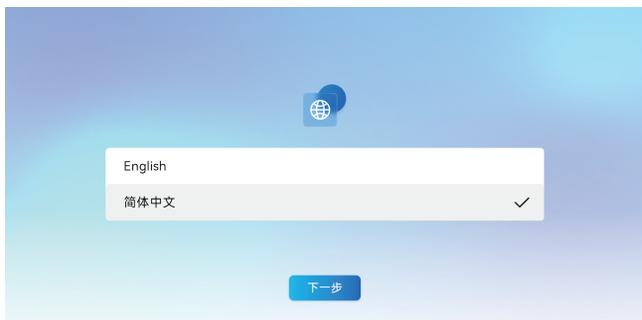
确保扫描仪电量充足。

注：充电前，用户根据自己所在国家，选择合适的适配器转换头，并把选定的转换头推入适配器主体（适配器主体插脚为固定式，不可直接掀起使用）。

长按电源键开机2秒，设备将开机进入主界面。

完成首次使用设置

1.语言选择：选择好所需语言-点击【下一步】



2.网络连接：选择可用局域网，连接好后自动进入下一步



3.隐私协议相关：阅读并同意我司相关《隐私政策》和《用户协议》后开始使用设备



4.激活：设备激活需要一点时间，请耐心等待



5.账号登录：支持创想云账号登录，可用跳过登录不影响设备正常使用



跳过登录会出现确认弹窗，如果仍不登录跳过登录会出现确认弹窗，如果仍不登录，选择【不使用】进入下一页，选择【不使用】进入下一页



6.设备保护：在此页面可以设置设备开机密码，防止未经授权的用户使用设备



7.欢迎页：轻触屏幕任意位置开始使用设备



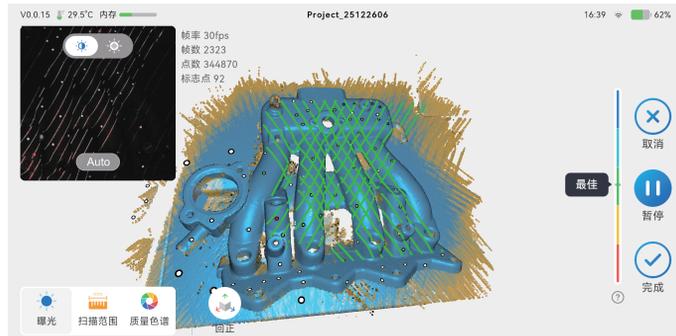
8.新手教程视频：可选择是否跳过，观看后/跳过直接进入设备扫描页，开始第一次扫描体验

第2步：开始扫描

- 在设备屏幕上点击【新建项目】，进入扫描预览页面。
- 根据扫描对象的特征，选择合适的扫描设置（蓝色线激光/红外）及相关配置。
- 选择好合适的扫描设置，点击【应用】可按照所选设置进行扫描。



- 调整扫描距离：移动扫描仪，调整其与被扫描物体的距离。当屏幕右侧的距离指示条处于绿色“最佳”范围时，表示当前为最佳扫描距离。



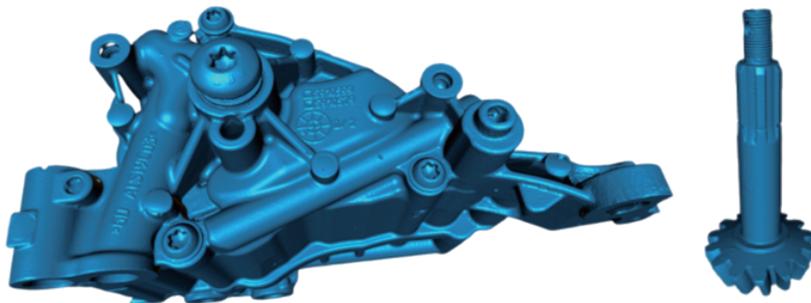
- 开始扫描：短按扫描仪上的 开始/暂停按键，或在设备屏幕上点击 **【开始】** 按钮。保持扫描仪对准物体，平稳、缓慢地移动，对物体进行 360° 全方位扫描。
 - 完成扫描：当数据采集完整后，长按扫描仪上的 开始/暂停按键 超过2秒，或在设备屏幕上点击 **【完成】**。扫描的点云数据将自动显示在设备屏幕中。
-

第3步：模型处理

扫描完成后，您可以通过 Creality Sermoon P1 设备自带的处理功能，将点云数据生成最终的3D模型。

● 处理流程 (在设备屏幕上操作):

1. 融合：将扫描过程中采集到的多帧点云数据融合成一个完整的点云。
2. 拼接：可将多个Scan拼接成一个完整模型以查看效果。
3. 封装：将点云数据转化为三角网格面，生成模型的基本形态。
4. 彩色贴图 (如适用)：如果您在扫描时采集了颜色信息，此步骤会将颜色和纹理贴到模型表面。



注：更详细的模型处理教程，请访问 Creality 官方Wiki查阅。<https://wiki.creality.com/3d-scanner>

2.2 PC连接模式 (连接电脑)

通过 USB 或 Wi-Fi 连接电脑，使用 CrealityScan 4 软件进行更高级的扫描控制和模型处理。

2.2.1 软件准备

- 下载软件：访问创想三维官方Wiki软件下载页面：<https://wiki.creality.com/zh/software/scan-software>，找到 CrealityScan 4 软件并下载。



-
- 安装软件：
 - Windows: 双击安装程序，按提示完成安装。
 - macOS: 安装完成后，请授权三维扫描仪读写文件的权限，以便在使用该软件时优化点云并生成模型。

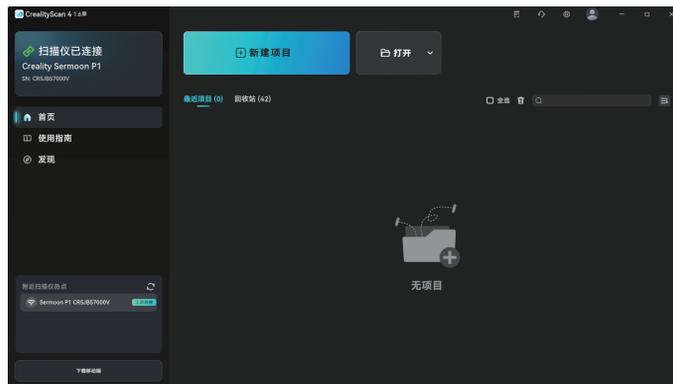
2.2.2 连接扫描仪

有线连接 (USB)

- 将数据线的 Type-C 接口插入扫描仪设备中，并锁紧螺钉。
- 将数据线的另一端 Type-C 接口插入电脑的 USB 3.0 或以上规格的接口，以确保数据传输稳定。
- 在Creality Sermoon P1的弹窗中选择“扫描连接”。



-
- 打开电脑上的 CrealityScan 4 软件，软件将自动识别并连接扫描仪。

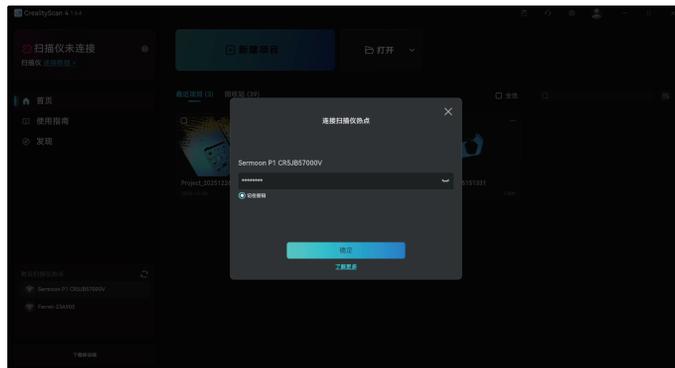
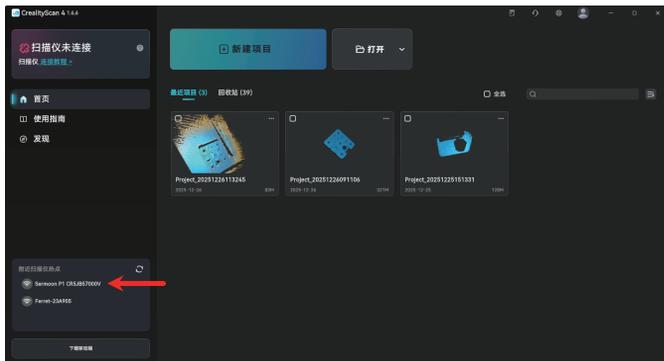


无线连接 (Wi-Fi)

- 第1步: 开启P1热点
- 在 Creality Sermoon P1 设备屏幕上进入“设置”菜单, 选择“热点”选项, 将“允许其他人加入”勾选打开。
- 记录下显示的热点名称和密码。



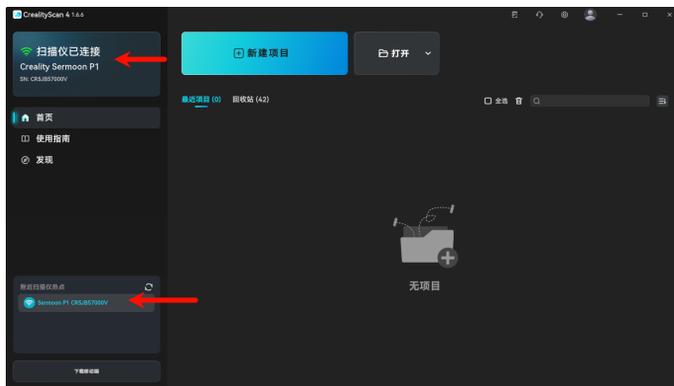
- 第2步: 电脑连接P1热点
- 在电脑的Wi-Fi设置中, 找到Creality Sermoon P1 发出的热点网络名称, 点击连接并输入密码。



● 第三步：软件连接

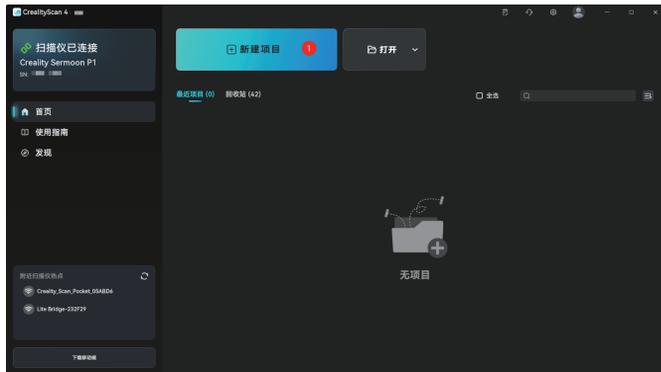
○ 打开电脑上的 CreaScan 4 软件。

○ 在软件界面中，软件将自动识别并显示已连接的 CreaScan Sermoon P1 设备。



2.2.3 开始扫描

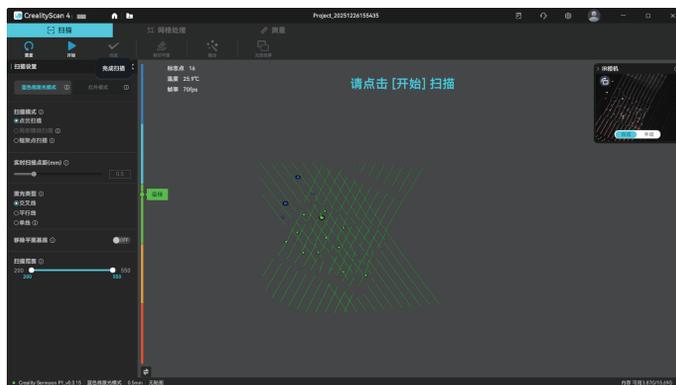
● 在 CreaScan 4 软件中点击【新建项目】，在弹出窗口中输入“项目名称”，选择“文件夹路径”，然后点击【确认】。



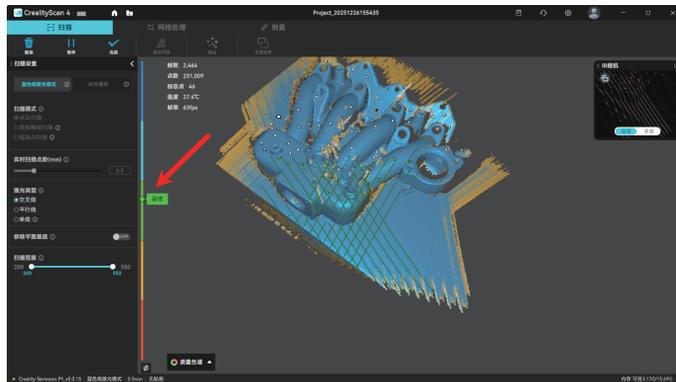
- 根据扫描对象的特征，选择合适的扫描模式及相关配置



- 点击【预览】按钮，进入扫描预览界面。



- 调整扫描距离：移动扫描仪，调整其与被扫描物体的距离。当软件界面的距离指示条处于绿色“最佳”范围时，表示当前为最佳扫描距离。



- 开始扫描：短按扫描仪上的开始/暂停按键，或在软件界面点击【开始】按钮。保持扫描仪对准物体，平稳、缓慢地移动，对物体进行360°全方位扫描。
- 完成扫描：当数据采集完整后，长按扫描仪上的开始/暂停按键超过2秒，或在软件界面点击【完成】。扫描的点云数据将自动显示在软件中。

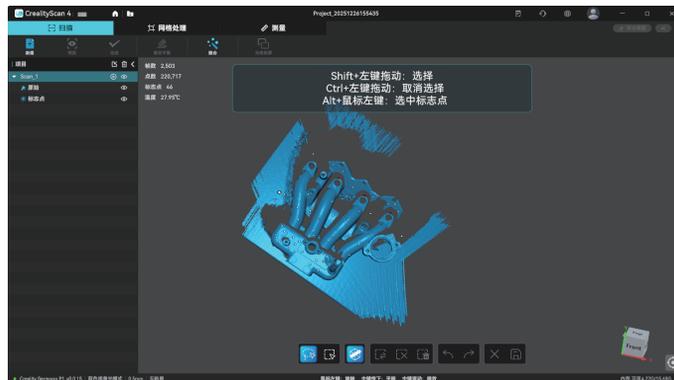
2.2.4 模型处理

扫描完成后，您需要通过 CrealityScan 4 软件的后处理功能，将点云数据生成最终的3D模型。

●一键处理：对于新手用户，可使用软件的“一键处理”功能，它将自动完成点云融合、构网和贴图（如适用）。

●手动处理流程（推荐）：

1. 融合：将扫描过程中采集到的多帧点云数据融合成一个完整的点云。
2. 拼接：可将多个Scan拼接成一个完整模型以查看效果。
3. 封装：将点云数据转化为三角网格面，生成模型的基本形态。
4. 彩色贴图（如适用）：如果您在扫描时采集了颜色信息，此步骤会将颜色和纹理贴到模型表面。



注：更详细的模型处理教程，请访问 Creality 官方Wiki查阅。<https://wiki.creality.com/3d-scanner>

3. 扫描模式详解

3.1 蓝色线激光模式

适用于需要高精度和丰富细节的物体扫描，通常需要配合标志点使用。

- 交叉线模式:
 - 特点: 扫描速度快, 效率高。
 - 适用场景: 扫描较大物体。需要将标志点直接贴在物体表面。
- 平行线模式:
 - 特点: 细节最好。
 - 适用场景: 对物体进行精细扫描, 模型细节更丰富。如果物体较小, 可将标志点贴在物体周围的桌面上。
- 单线模式:
 - 特点: 擅长捕捉深孔、凹槽等难以触及的区域。
 - 适用场景: 对具有深孔特征的物体进行补充扫描。

提示:

- 实时点距: 点距越小, 模型越精细, 但会占用更多电脑内存并可能影响扫描流畅度。请根据电脑性能和模型需求选择。
- 拼接: 如需扫描物体的多个面 (如正面和背面), 可分多次扫描, 然后使用软件的“拼接”功能将它们合并成一个完整的模型。

3.2 红外模式

适用于扫描人脸、人体、雕塑或其它特征丰富的物体, 通常无需粘贴标志点。

- 特点: 安全、快速, 不可见光, 对人眼无害。
- 适用场景: 人像扫描、文物保护、医疗康复等。
- 红外模式也支持“纹理模式”和“标志点模式”以应对不同需求。

4. 其他功能

4.1 标定

当您发现扫描精度下降或长时间未使用扫描仪后, 建议进行标定。请使用包装内附的“高精度玻璃标定板”, 并按照Creality Sermoon P1 设备屏幕内的指引流程完成操作, 以恢复扫描仪出厂精度。

4.2 系统升级

Creality 会不定期发布系统更新, 以优化性能和增加新功能。请保持Creality Sermoon P1 设备为最新系统版本, 并根据提示进行升级以获得最优的使用体验。

4.3 文件传输

在【最近项目】中选择需要分享的项目, 点击左上角【...】中的【分享】按钮, 按设备屏幕内的指引流程完成文件传输操作。

5. 设备规格

5.1 硬件参数

Creality Sermoon P1					
工作模式	蓝色单线激光	蓝色7线激光	蓝色22线激光	近距红外结构光	远距红外结构光
精度	最高 0.02mm ^[1]			最高 0.075mm ^[1]	
体积精度	0.02mm+0.06mm/m			0.075mm+0.1mm/m	
扫描速率 (独立工作)	61,000 点/秒	430,000 点/秒	1,044,000 点/秒	3,440,000 点/秒	
扫描速率 (与PC连接)	102,000 点/秒	716,000 点/秒	1,740,000 点/秒	6,881,000 点/秒	
点距	0.05-2mm			0.1-2mm	
扫描速度 (独立工作)	最高60fps			最高15fps	
扫描速度 (与PC连接)	最高100fps			最高30fps	
最小扫描体积	5mm x 5mm x 5mm			150mm x 150mm x 150mm	
幅面	85mm*105mm @160mm 135mm*130mm @200mm 265mm*200mm @300mm	310mm*265mm @400mm 380mm*365mm @550mm		135mm*130mm @200mm 265mm*200mm @300mm 310mm*265mm @400mm	689mm*375mm@500mm 1245mm*754mm@1000mm 1450mm*1020mm@1200mm
工作距离	200-550mm	160mm-400mm	200-550mm	170mm-400mm	200mm-1200mm
彩色贴图	支持				
拼接模式	标志点/全局标志点			标志点/全局标志点/几何/纹理	
RGB色彩补光灯	12颗白色LED				
户外扫描	100,000 lux以下	50,000 lux以下	100,000 lux以下	30,000 lux以下	
标志点补光灯	12颗蓝光LED				

激光安全	Class II (人眼安全)	Class I (人眼安全)
处理器	高通CPU, 8核 3.36 GHz / GPU, Adreno 740	
内置RAM	24GB LPDDR5X	
内置存储	256GB UFS 4.0	
显示屏	6英寸高清触摸屏	
充电	PD3.0 快充	
无线PC互连	支持	
工作模式	独立工作 / 无线连接PC / 有线连接PC	
WiFi	WiFi 7	
产品重量	830g	
产品尺寸	209mm × 129mm × 53mm	
标定板	高精度玻璃标定板	
PC端软件系统支持	Windows/macOS	
PC配置要求	<p>推荐配置:</p> <p>电脑系统: Win10/11 (64位)</p> <p>处理器: i7-Gen 13th 及以上</p> <p>独立显卡: NVIDIA 4060及以上 (8GB显存)</p> <p>内存: ≥64GB</p> <p>电脑系统: macOS14及以上</p> <p>处理器: Apple M3/M4/M5</p> <p>内存: ≥32GB</p>	<p>最低配置:</p> <p>电脑系统: Win10/11 (64位)</p> <p>处理器: i7-Gen7</p> <p>独立显卡: Nvidia1060 (6GB显存)</p> <p>内存: ≥16GB</p> <p>电脑系统: macOS12</p> <p>处理器: Apple M1</p> <p>内存: ≥16GB</p>
工作温度	-10°C to 40°C	
工作湿度	10-90%RH	
[1] 精度在实验室条件下评估, 实际结果可能会受到工作环境 (如振动、温度和其他因素) 的影响。		

6. 注意事项

关于Creality Sermoon P1三维扫描仪

- 请勿私自拆解组装设备
- 请搭配使用产品随附的专用配件，如充电器、标定板等。

6.1使用事项

注意以下事项，否则可能导致设备损坏或机身故障

- 使用本产品请避免大幅度的震动与碰撞，Creality Sermoon P1三维扫描仪属于高精密度设备，内部结构精密，剧烈震动或碰撞可能破坏结构，导致光学器件破损
- 请在建议的温湿度下使用本设备
- 请确保使用环境适宜，有线连接时确保线材接口完好

6.2保养事项

- 清洁设备，请使用棉布蘸取稀释过的中性清洗剂，拧干后擦拭，请不要使用潮湿的抹布、挥发油、稀释剂等液体擦拭本设备，否则会导致设备外表损坏，严重的可能导致设备零件损坏。
- 将设备存放在仪器箱中，温度相对稳定的阴凉干燥处，请避开以下场所存放：

- 温湿度过高或过低场所

- 灰尘较多的场所

- 有腐蚀性或可燃性气体的场所

- 有腐蚀性或可燃性液体的场所

深圳市创想三维科技股份有限公司

官网: www.creality.com

电话: +86 755 3396 5666 客户服务: cs@creality.com

公司地址: 深圳市龙华区民治街道新牛社区梅龙大道锦绣鸿都大厦18F



CAN ICES (B) / NMB (B)



FC RoHS REACH



Facebook Community
讨论、分享和问题交流等



Creality wiki
详细教程，常见问题和故障排除等

您的设备已通过相关国家和地区的认证。您可以在设备上查看这些电子认证信息：请进入设备的“设置”菜单，然后选择“我的设备”，最后点击“认证信息”即可找到所有适用的电子认证标志和详细信息。

WARRANTY

Name: _____ Telephone: _____

Address: _____ E-mail: _____

Serial Number: _____ Order Number: _____

Channel: Platform Offline Repair Change Return

Date of purchase Day Mon. Year

Malfunction And Damage Depiction Or Return And Change Reasons\Suggestions: _____

Repair Records: _____

Before returning the product and filling in a warranty, please contact after-sale person for going through after-sale formality. And attach this warranty card along with the returned machine.
Note: Client need filling in basic info. and return reasons. Repair records shall retain for technicians.

产品保修卡

客户名称: _____ 联系电话: _____

收件地址: _____ 电子邮箱: _____

机器制造编码: _____ 订单编号: _____

购买渠道: 电商平台 线下 返修 换货 退货

购买日期: 年 月 日

故障描述或退、换货原因和建议: _____

维修情况记录: _____

产品寄回前请先联系售后专员,为正常进行售后处理,请务必填写此卡,并随机器寄回。

温馨提示:基本信息及返厂原因为客户必填项,维修情况记录部分为维修人员填写项

GARANTIE

Bezeichnung: _____ Telefon: _____

Anschrift: _____ E-Mail: _____

Seriennummer: _____ Bestellnummer: _____

Kanal: Plattform Offline Reparieren Änderung Rückgabe

Zeitpunkt des Kaufs: Tag Mon. Jahr

Fehlfunktion und Schadensdarstellung oder Rückgabe- und Änderungsgründe/Vorschläge: _____

Aufzeichnungen über die Reparatur: _____

Bevor Sie das Produkt zurückgeben und eine Garantie ausfüllen, wenden Sie sich bitte an den Kundendienst, um die Kundendienst-Formalitäten zu erledigen. Legen Sie diese Garantiekarte dem zurückgegebenen Gerät bei.
Hinweis: Der Kunde muss die grundlegenden Informationen ausfüllen. Und Gründe für die Rückgabe. Die Aufzeichnungen über die Reparatur werden für die Techniker aufbewahrt.



GARANTIE

Nom et prénom: _____ Téléphone: _____

Adresse: _____ Courriel: _____

Numéro de série: _____ Numéro de commande: _____

Canal: Plate-forme Hors ligne Réparation Modification Retour

Date d'achat: Jour Mon. Année

Description des dysfonctionnements et des dommages ou raisons et suggestions de changement et de retour: _____

Dossier de réparation: _____

Avant de retourner le produit et de remplir un formulaire de garantie, veuillez contacter le service après-vente pour qu'il effectue les formalités nécessaires. Joignez cette carte de garantie à la machine renvoyée.
Note : Le client doit remplir les informations de base. Et les raisons du retour. Les dossiers de réparation doivent être retenus pour les techniciens.



GARANTÍA

Nombre: _____ Teléfono: _____

Domicilio: _____ Correo electrónico: _____

Número de serie: _____ Número de orden: _____

Canal Plataforma Sin conexión Reparar Cambio Devolución

Fecha de Compra Día Lun. Año

Descripción de averías y daños o motivos/sugerencias de devolución y cambio: _____

Registros de Reparación: _____

Antes de devolver el producto y rellenar la garantía, contáctate con el personal de posventa para realizar los trámites de posventa. Y adjunta esta tarjeta de garantía junto con la máquina devuelta.

Nota: El cliente debe rellenar la información básica. Y justificar Los registros de reparación se conservarán para los técnicos.

GARANTIA

Nome: _____ Telefone: _____

Endereço: _____ E-mail: _____

Número de Série: _____ Número do Pedido: _____

Canal: Plataforma Offline Reparo Mudança Devolução

Data de Compra Dia Mês Ano

Descrição de Mau Funcionamento e Danos ou Motivos de Devolução e Troca/Sugestões: _____

Registro de Reparos: _____

Antes de devolver o produto e preencher a garantia, por favor, entre em contato com o departamento de pós-venda para cumprir as formalidades de pós-venda. Além disso, anexe este cartão de garantia junto com a máquina devolvida. Nota: É necessário que o cliente preencha as informações básicas e os motivos da devolução. Os registros de reparo devem ser mantidos pelos técnicos.



保証

名前: _____ 電話: _____

住所: _____ Eメール: _____

シリアルナンバー: _____ 注文番号: _____

チャンネル: プラットフォーム オフライン 修理 変更 返品

購入日: 月曜 日 年

故障および損傷の描写または返品および変更の理由/提案: _____

修復記録: _____

製品を返品して保証に記入する前に、アフターセールス担当者に連絡してアフターセールス手続きを行ってください。そして、この保証書を返送機械と一緒に添付してください。

注: クライアントは基本情報を入力する必要があります。そして返品理由。修理記録は技術者のために保存されます。



GARANZIA

Nome: _____ Telefono: _____

Indirizzo: _____ E-mail: _____

Numero di serie: _____ Numero dell'ordine: _____

Canale: Piattaforma Offline Riparazione Modifica Restituzione

Data di acquisto: Anno Lun Giorno

Descrizione del malfunzionamento e del danno o motivi di restituzione e sostituzione/Suggerimenti: _____

Registri delle riparazioni: _____

Prima di restituire il prodotto e compilare la garanzia, contattare il responsabile del servizio post-vendita per espletare le formalità post-vendita. Allegare la presente scheda di garanzia al prodotto restituito.

Nota: il cliente deve compilare le informazioni di base e i motivi della restituzione. I registri delle riparazioni devono essere conservati dai tecnici.

제품 보증 카드

고객 이름 : _____ 연락처 : _____

수취인 주소 : _____ 이메일 : _____

기계 제조 코드 : _____ 주문 번호 : _____

구매 경로 전자상거래 플랫폼 오프라인 반품 교환 반품

구매 날짜: 연도 월 일

고장 설명 또는 반품, 교환 사유 및 제안 : _____

수리 상황 기록: _____

제품 반송 전 반드시 애프터서비스 담당자에게 연락하십시오. 정상적인 애프터서비스 처리를 위해 본 카드를 반드시 작성하여 기기와 함께 반송해 주십시오.

주의 사항: 기본 정보 및 반품 사유는 고객이 반드시 기입해야 하는 항목이며, 수리 상황 기록 부분은 수리 담당자가 기입하는 항목입니다.



ГАРАНТИЯ

Имя: _____ Телефон: _____

Адрес: _____ Электронная почта: _____

Серийный номер: _____ Номер заказа: _____

Канал: Платформа Офлайн Ремонт Изменение Возврат

Дата покупки: Год Пн День

Описание неисправности и повреждения или причины возврата и обмена/Предложения: _____

Записи о ремонте: _____

Перед возвратом продукта и заполнением гарантии, пожалуйста, свяжитесь с сотрудником службы послепродажного обслуживания для прохождения послепродажных формальностей. Приложите эту гарантийную карточку к возвращаемому оборудованию.

Примечание: Клиент должен заполнить основную информацию и указать причины возврата. Записи о ремонте должны храниться для технических специалистов.



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