

Failing to meet any of these requirements may cause abnormal scanning

iReal Basic Scanning Environment Setting Requirements

1. The computer configuration needs to meet these requirements.

Press Win + R and type cmd to check computer configuration.

Minimum computer configuration required: CPU: Intel i7/8th Gen or AMD Ryzen 7/8000 series; RAM: 16GB or more; Storage: SSD; OS: Windows 10/11; Graphics: NVIDIA GeForce RTX 3060 or AMD Radeon RX 6600 or higher.

If the CPU configuration is not up to the standard, software will run with lag.
AMD is not recommended.
processing time is abnormally long.
If the GPU configuration is not up to the standard, it will slow down graphics version is low without the use of NDCA.
the data may disappear partially or completely after the generation of point cloud and wrapping.
If the RAM configuration is not up to the standard, there is not enough memory to support large scanning data.
please change to USB 3.0 port or charge a computer when encountering calibration stuck, scanning stuck and device disconnection.
Incorrect use of USB port, the software can not run normally.
Using other computer system such as 32-bit system,

2. Laptops should be in good working conditions.

If the laptop is not powered on, the automatic reduction of CPU frequency will cause the data splicing jamming.
If the laptop is not set to high-performance mode, the reduction of CPU frequency will cause the data splicing jamming.
If the laptop is over-heated because of high working temperature or computer heating-up slowly, the reduction of CPU frequency will cause the data splicing jamming. Point cloud / mapping process will be slow.

3. Recommend to turn off the firewall.

Turn off anti-virus software, system security protection and computer firewall before installing or running the scanning software.

The third-party protection softwares might cause the software deleted or missed in the installation progress.
It may cause the connection failure.

4. It is equipped with correct graphics card driver version and settings.

Visit NVIDIA official website to download the latest driver.
The scanning software is not set to use high performance mode of GPU.

The software shows the graphics card driver version is too low to scan.
It will cause scanning and splicing jamming.

5. Use administrator to install the scanning software properly.

Files are accidentally deleted by anti-virus software.
The disk space where the software is installed is less than 20G.
The performance is poor after using the software for a period of time.
Abnormal display of software interface icons.

The software can not run due to the missing files.
Data may disappear partially / completely in the process of point cloud generation and wrapping. The bigger the scanned data are, the larger the disk space is.
Consult sales every half a year to keep the latest scanning software.
Set the screen resolution to 1024 * 768 or change your computer if the setting is not supported.

6. Lossless data transmission cable.

The wrong daily maintenance method of the data cable results in cable damage. It needs to replace the damaged cables caused by wrong daily maintenance method like folding it frequently and roughly.
Device connection failure.
Calibration and scanning jamming.

7. Correct SET files.

The subfolder where the set file is located is not selected when importing. (The deepest level subfolder is correct).
The software prompts the SET files are incorrect or expired.
Wrong naming of SET file. (The right naming should be like 360110000001.SET).

8. Normal Calibration.

It can not be calibrated in sunlight or strong light environment, which will affect the calibration accuracy.
It should place calibration plate on the clean plane without markers and reflective surface.
No calibration after software installation, long-term use and transportation.
The temperature of the outside environment is too low to cause the camera to start, and the camera need to plug in for 10-15 minutes to calibrate again.
Software shows nothing when calibrating.

9. Don't open other scanning softwares in the progress of scanning.

Scanner must be closed.
The scanning software of other manufacturers must be closed.
Other softwares with high-memory consumption such as 3Dmax, Maya, 3ds, Max must be closed.

10. Precautions during scanning.

Recommend computer to keep scanning after scanning several major projects continuously, otherwise it may be stuck to reset the software.
If the external light is too strong, it may lead to a small amount of points. It is recommended to block the sunlight.