

FCC Statement

1. 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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note: 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.
The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Operations in the 5.15-5.25GHz band are restricted to indoors usage only.

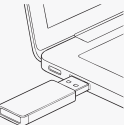
How to Perform Your First Scan

01 Software Download



Download the 3DeVOK Studio scanning software. You may scan the QR code to get the download link, or directly visit the PC official download page: www.3devok.com/download-center

02 Software Installation

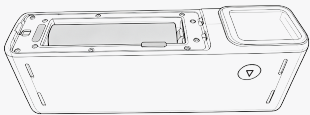


Install 3DeVOK Studio following the recommended PC hardware specifications. Note: The installer will automatically install the wireless network adapter driver during the installation process.



Scan the QR code to view more tutorial videos.

03 Device Power-On



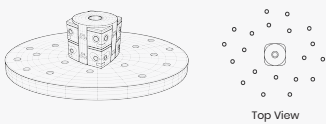
Install batteries as shown on the label inside the battery compartment. Press and hold the side trigger button for 2 seconds to power on. Follow the on-screen prompts to complete language settings and enter the connection interface.

04 Wireless Connection



- ① Plug the wireless network adapter into a USB 3.0 port on your computer, then select "Wireless" on the device screen.
- ② Open the 3DeVOK Studio software on your computer, click "Connect Now", and pair with the device.

05 Preparations Before Scanning



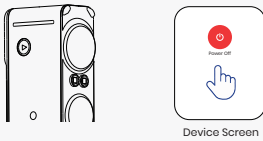
Place the object on a turntable or desktop, and attach several 6 mm markers randomly around it with a spacing of 6-8 cm. Ensure the scanned object and markers remain stationary relative to each other during scanning.

06 First Scan Workflow



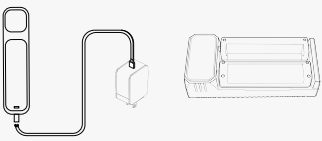
Complete device calibration (Standard & White Balance Calibration) before scanning. Tap "New Scan", follow the Beginner's Guide to get familiar with basic operations and finish the entire process of data acquisition and post-processing. Refer to the user manual and tutorial videos for detailed instructions.

07 Device Power-Off



After scanning, press and hold the side trigger button for 5 seconds, then tap the "Power Off" button on the screen to power off the device.

08 Wired Charging



You can charge the battery installed in the battery compartment using a data cable paired with a power adapter. Alternatively, remove the battery and charge it separately with a dedicated charger.



Scan the QR code to view the user manual. Visit our official website for more details: www.3devok.com

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Quick Start Guide

Pico Pro



Product List



Pico Pro



Wi-Fi 6
Network Card



4750mAh Battery ×2
Battery Charger



Calibration Board



6mm Markers
3mm Markers



Jade Cong Model
(Scanning Sample)



Type-C Data Cable
Type-C Power Adapter

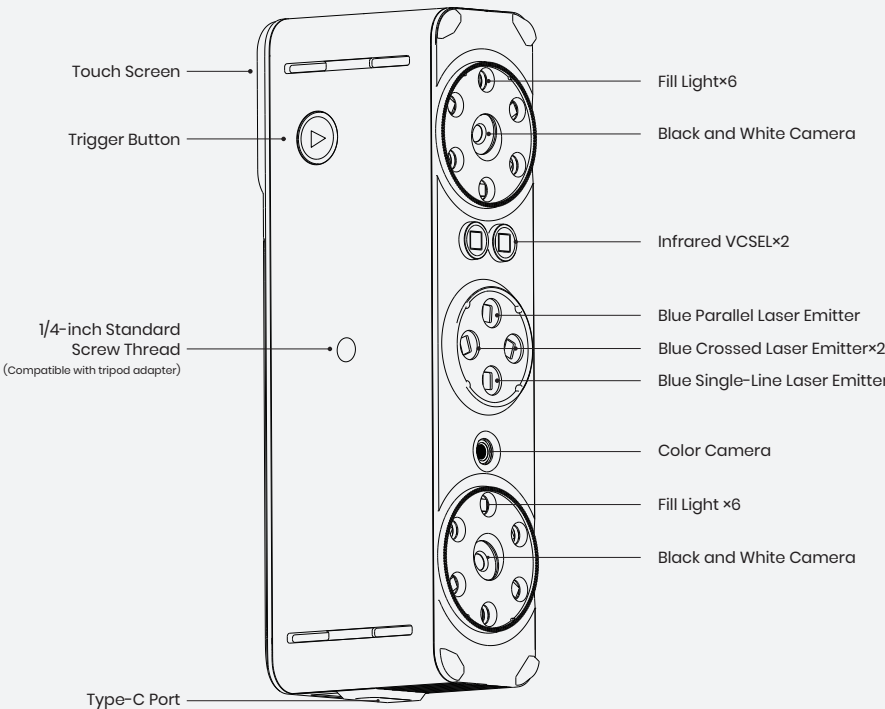


Dust-free Cloth



Background Board

Device Introduction

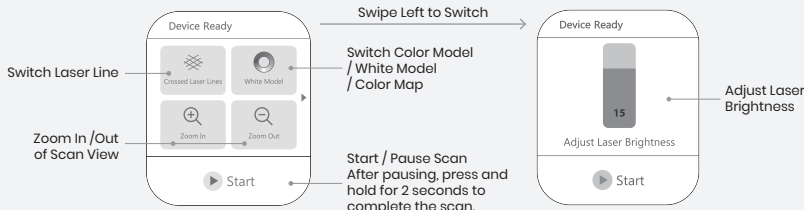


Device Interaction Instructions

Trigger Button

- **Power On:** With the device off, press and hold the button for 2 seconds to power on.
- **Normal Power Off:** With the device on, press and hold for 5 seconds, then tap "Power Off" on the screen prompt to shut down.
- **Forced Power Off:** Press and hold for 12 seconds under any status to force the device off.
- **Scan Control:** Short-press the button to start or pause scanning.
- **Scan Mode Switch:** With blue laser scanning enabled, double-press the button to switch between cross-line, parallel-line, and single-line modes.

Screen Functions



Device Charging, Discharging, and Temperature Control Instructions

- **The device supports three charging methods:**
 - a. Fast Charging: Use the data cable together with a power adapter for rapid charging.
 - b. Slow Charging: Connect the data cable to a computer Type-C port for low-power charging.
 - c. Standard Charging: Use a dedicated battery charger to charge the battery at the rated charging speed.
- **Scanning Power Consumption:**

The computer USB port cannot fully meet scanning power requirements. The battery will still discharge during scanning, but USB connection can extend battery runtime compared with battery-only operation.
- **Battery Usage Limit:**

If battery charge is lower than 30%, unstable voltage may appear. The device can only power on with scanning locked automatically. Recharge battery to ≥30% or swap a new battery to unlock scanning.
- **When the ambient temperature exceeds 40°C, the built-in overheat protection mechanism of the battery will activate automatically with two levels of response:**
 - a. Level 1 Protection (55°C): Once the battery temperature rises 55°C, the device will display a high-temperature warning and cut off the charging circuit to stop charging automatically.
 - b. Level 2 Protection (60°C): When the battery temperature rises to 60°C, the device will force a full shutdown to prevent damage to the battery and circuits caused by excessive heat.

Specifications

Light Source	34 Crossed Blue Laser Lines	7 Parallel Blue Laser Lines	Single Blue Laser Line	Infrared VCSEL
Laser Class	Class II (Eye-safe)			Class I (Eye-safe)
Resolution	0.1 mm	0.05 mm	0.1 mm	0.2 mm
Accuracy	0.02±0.06 mm/m			
Alignment Mode	Hybrid Alignment, Marker Alignment, Texture Feature Alignment and Geometric Feature Alignment			Hybrid Alignment, Texture Feature Alignment and Geometric Feature Alignment
Ability to Capture Texture	Support			
Recommended Scanning Distance	150-420 mm	150-300 mm	150-420 mm	150-600 mm
Scan Distance (Max.)	600 mm	300 mm	600 mm	1000 mm
Wired Frame Rate (Max.)	Marker Alignment: 60 fps / Hybrid Alignment: 20 fps			20 fps
Wireless Frame Rate (Max.)	Marker Alignment: 60 fps / Hybrid Alignment: 16 fps			16 fps
Scanning FOV (Max.)	420°320 mm			650°520 mm
Output Formats	*.obj, *.stl, *.ply, *.asc, *.mk2, *.txt, *.epj, *.api, *.spj, *.map, *.sk			
Operating Conditions	-10 - 40 °C			
Working Humidity Range	0 - 40 °C, 10% - 90% RH (Non-condensing)			
Connection	Wi-Fi 6, Type-C			
Scanner Dimensions	170 mm × 37.5 mm × 64.1 mm			
Scanner Weight	381g (Net Weight); 453g (With Batteries)			
Power Source	Equipped with two 4,750 mAh batteries; supports USB-C charging.			
Certifications	CE-EMC, FCC, RoHS, IEC 60825, IEC 62471, IEC 60529-IP50, WEEE, MIC, SRRC			
Recommended Configurations for PC	OS: Win10/Win11, 64-bit; CPU: I7-13650HX and above; RAM: 32GB and above; Graphic Card: NVIDIA discrete graphics card, NVIDIA RTX3060 and above; Graphics memory: 6GB and above			

Light Source Introduction

- **Infrared VCSEL Mode:**

Supports geometric feature alignment, texture feature alignment and hybrid alignment without the markers. It is suitable for scanning medium-sized objects such as human bodies and artistic carvings.
- **3 Blue Laser Modes:**
 - a. 34 Crossed Blue Laser: Features the highest number of laser lines and the fastest scanning speed, ideal for rapid scanning of medium-sized parts over 50 cm.
 - b. 7 Parallel Blue Laser Lines: Provides finer laser lines and higher resolution, suitable for high-precision scanning of small parts and artistic carvings with intricate details.
 - c. Single Blue Laser Lines: Designed for deep holes, blind spots, complex cavities, and other areas that are difficult to cover with cross or parallel laser modes, enabling supplementary data scanning.
- **Scan Mode Configuration:**

Preset modes for workpieces, art carvings and human bodies can auto-match light source and alignment algorithm for beginner-friendly operation.

Custom mode supports manual parameter adjustment according to actual demands.

