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Revopoint POP3 Plus 3D Scanner Instruction Manual

Brand: Revopoint | Model: RevoScan POP3 Plus Standard

1. INTRODUCTION

The Revopoint POP3 Plus is a high-precision 3D scanner designed for creating detailed 3D models. It offers enhanced accuracy, stable scanning, and full-color capture capabilities, making it suitable for various applications including 3D printing, animation, product design, and reverse engineering. This manual provides essential information for setting up, operating, and maintaining your POP3 Plus 3D Scanner.



Image 1.1: The Revopoint POP3 Plus 3D Scanner mounted on its tripod.

2. WHAT'S IN THE Box

The standard Revopoint POP3 Plus package includes the following items:

- POP 3 Plus 3D Scanner
- Tripod
- Turntable Topper
- Phone Holder
- Carrying Case
- Calibration Board
- USB Type-C Adapter
- Mini Turntable
- USB Type-A to C Cable
- 2-in-1 Mobile Cable
- Turntable USB Cable

- Sample Bust & Markers



Image 2.1: Visual representation of the items included in the POP 3 Plus Standard Edition package.

3. SETUP

3.1 Connecting the Scanner

To begin, connect your POP3 Plus scanner to a compatible device (PC, Android, or iOS) using the provided USB Type-C or 2-in-1 mobile cable. Ensure the green and blue LEDs on the scanner are lit, indicating a successful connection.

3.2 Calibration

Calibration is essential for maintaining the scanner's accuracy. It is recommended to recalibrate after extended use or if the scanner has been subjected to physical impact. Use the included high-precision calibration board and follow the on-screen instructions within the Revo Scan software.

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Video 3.1: This video provides a step-by-step guide on how to calibrate the Revopoint POP3 Plus 3D Scanner using the Revo Scan software and the calibration board.

4. OPERATING INSTRUCTIONS

4.1 Scanning Modes and Features

The POP3 Plus offers various features to optimize your scanning experience:

- **Refined Precision:** Achieve detailed 3D models with up to 0.04mm single-frame precision. The new optical zoom function (1.5x and 2x magnification) enhances point cloud detail by 30%.
- **High-Speed Stable Scanning:** Scan at speeds up to 18 fps with a 9-axis IMU for stable tracking, preventing faulty frames.
- **Full-Color Scans:** Utilize the HD RGB camera, advanced pixel mapping, and Flash LED lighting system for lifelike color 3D models. The POP3 Plus uses Class 1 infrared light, ensuring eye and skin-safe scanning.
- **Global Marker Tracking:** The new Global Marker tracking mode significantly improves marker point capture stability, reduces tracking errors, and enhances volumetric accuracy.



Image 4.1: Demonstrates the enhanced detail captured with 1.5x and 2x optical zoom compared to 1x, focusing on a coin's surface.

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Video 4.2: This video illustrates how to effectively use the infrared optical zoom function of the POP3 Plus scanner to capture finer details.



Image 4.3: Depicts the 9-axis IMU technology that provides anti-shake stabilization for smoother scanning and more accurate results.

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Video 4.4: This video demonstrates the use of the Global Marker Function for improved tracking stability and accuracy during scanning.

4.2 Software and File Compatibility

The POP3 Plus operates with the powerful and free Revo Scan software, available for iOS, Android, Windows, and macOS devices. This software provides an intuitive user interface and in-depth tutorials for scanning and editing. Scans can be exported in various file formats including PLY, OBJ, STL, ASC, 3MF, GLTF, and FBX, ensuring compatibility with most CAD, 3D modeling, and slicer software.

For advanced users, Revo Design, powered by Quicksurface software, streamlines the scan-to-CAD process, allowing conversion of scanned data into ready-to-use CAD models.

5. MAINTENANCE

No specific routine maintenance instructions beyond regular cleaning and proper storage are provided in the product information. Ensure the scanner's lenses are kept clean and free from dust or debris. Store the device in its carrying case when not in use to protect it from damage.

6. TROUBLESHOOTING

No specific troubleshooting steps are provided in the product information. For technical issues or scanning difficulties, refer to the Revo Scan software's in-depth tutorials or contact Revopoint customer support.

7. SPECIFICATIONS

Feature	Detail
Model Number	RevoScan POP3 Plus Standard
Package Dimensions	11.38 x 9.8 x 4.49 inches
Item Weight	6.7 ounces
Manufacturer	Revopoint
ASIN	B0F3CTRMBP
Date First Available	April 2, 2025
Color	Black
Assembly Required	No

8. WARRANTY AND SUPPORT

Revopoint offers a two-year warranty for the POP3 Plus 3D Scanner, ensuring a worry-free purchase. For any assistance, 24/7 customer support is available. You can reach out to the customer service team at any time for support.

Additionally, the product is Verified by Transparency, meaning each item has a unique code that is verified before shipping to prevent counterfeits.