Creality Ferret Pro

Creality CR-Scan Ferret Pro 3D Scanner User Manual

Model: Ferret Pro | Brand: Creality

Product Overview

The Creality CR-Scan Ferret Pro is a high-quality 3D scanner designed for various applications, offering 0.1mm accuracy and 60FPS wireless scanning. It features WiFi6 connectivity, anti-shake technology, and full-color scanning capabilities. Compatible with Windows, Mac, iOS, and Android operating systems, it is suitable for both professional and hobbyist use in 3D printing and modeling.

Image: The CR-Scan Ferret Pro 3D scanner connected to a smartphone, actively scanning a deer figurine, demonstrating its handheld operation.

Key Features

- **High Quality & Fast Scanning:** Achieves up to 0.1mm accuracy and 60FPS scanning speed. Features a built-in 3D imaging ASIC chip for efficient processing. Capable of scanning black/metal objects without spray.
- **Anti-Shake Tracking:** Utilizes One-Shot 3D imaging technology for stable and smooth handheld scanning, minimizing tracking loss.
- **24-Bit Full-Color Scanning:** Integrated high-resolution color camera captures full-color textures, producing vivid 3D models. Supports OBJ/STL/PLY output formats for compatibility with various design software.
- **WiFi6 Wireless Connection:** Employs advanced WiFi6 for 3x faster data transmission compared to WiFi5, ensuring smoother data collection.
- **Unique Face Algorithm & Stable Outdoor Scanning:**Built-in 2MP color camera and a unique face mapping algorithm restore detailed facial features. Engineered for high environmental adaptability, performing well even in sunlight (<30000 lux).
- **Wide System Compatibility:** Supports Mac, Windows, iOS, and Android systems. Specific system

requirements are detailed in the specifications section.

Image: Overview of CR-Scan Ferret Pro's key features including WiFi6, faster transmission, anti-shaking, and multi-platform compatibility.

Image: A user scanning a toy dinosaur with the Ferret Pro, highlighting the anti-shake tracking capability for stable scanning.

What's in the Box

The package for the Creality CR-Scan Ferret Pro includes the following components:

- CR-Scan Ferret Pro 3D Scanner
- WiFi Box
- Integrated Power Bank-Tripod
- Phone Holder
- Power Cable
- Adapter Cable
- Detailed User Manual
- Carrying Case

Setup Guide

1. Unboxing and Initial Inspection

Carefully remove all components from the carrying case. Inspect each item for any signs of damage. Ensure all listed components are present.

2. Assembling the Scanner

1. Attach the CR-Scan Ferret Pro 3D Scanner to the integrated power bank-tripod. Ensure it is securely fastened.
2. Mount your smartphone onto the phone holder, then attach the phone holder to the tripod.
3. Connect the scanner to your smartphone using the appropriate adapter cable.
4. Connect the power cable to the power bank-tripod and a suitable power source if needed for extended use or charging.

3. Software Installation

Download and install the Creality Scan software compatible with your operating system (Windows, Mac, iOS, or Android). Refer to the system requirements in the specifications section to ensure compatibility. It is recommended to download the latest stable version from the official Creality website.

4. Connecting the WiFi Box

For wireless operation, connect the WiFi Box to the scanner. Ensure your device (computer or smartphone) is connected to the WiFi network broadcast by the WiFi Box.

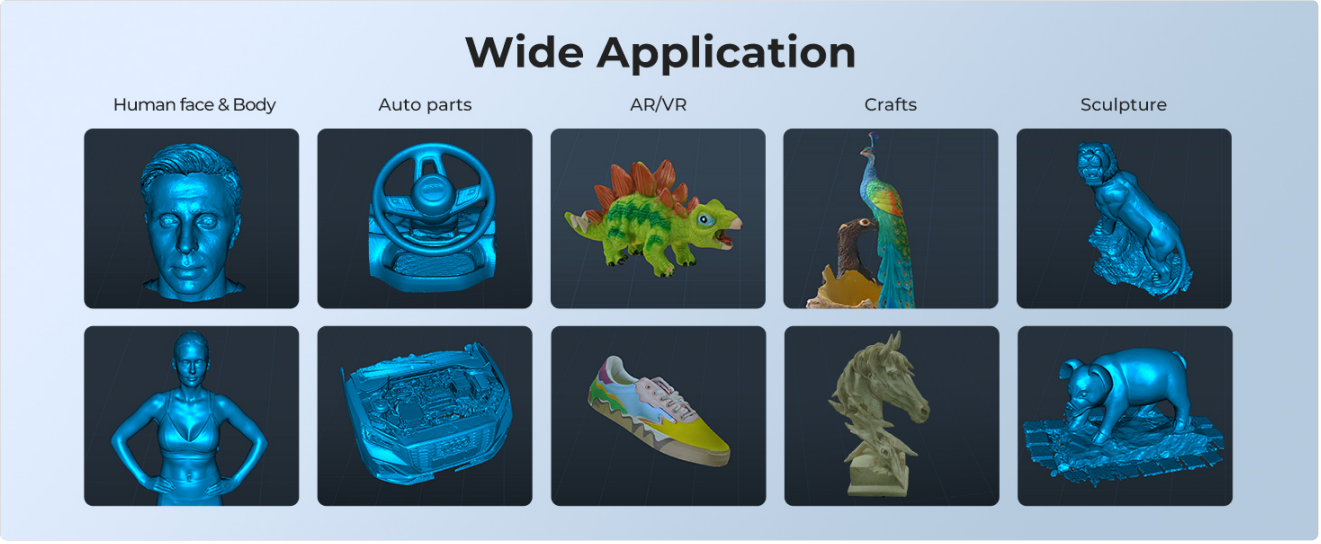

Image: Illustration of the WiFi 6 wireless connection setup between the scanner's WiFi box and a laptop, demonstrating faster data transmission.

Operating Instructions

1. Software Launch and Calibration

Launch the Creality Scan software. Follow the on-screen prompts to perform initial calibration of the scanner. This step is crucial for accurate scanning results.

2. Preparing the Object for Scanning

Place the object to be scanned on a stable surface. For optimal results, ensure good lighting. The Ferret Pro can scan black and metal objects without the need for scanning spray, simplifying preparation.

Image: The scanner capturing a car tire and wheel, illustrating its capability to scan black and metallic surfaces without requiring a matte spray.

3. Performing a Scan

1. Select the desired scanning mode within the software (e.g., object scan, face scan).
2. Hold the scanner steady and point it at the object. Maintain a consistent distance (working distance: 150-700mm).
3. Slowly move the scanner around the object, ensuring complete coverage. The software will provide real-time feedback on tracking and scan progress.
4. Utilize the anti-shake tracking feature for smoother handheld scanning, especially for complex objects.
5. For full-color models, ensure adequate lighting to capture accurate textures.

Image: Demonstrates the scanner's ability to perform 24-bit full-color scans indoors on a peacock statue and stable outdoor scanning on an eagle statue.

4. Post-Processing and Export

After scanning, use the software's tools to clean up the scan data, fill holes, and optimize the mesh. Export the final 3D model in OBJ, STL, or PLY format, compatible with various 3D design software and 3D printers.

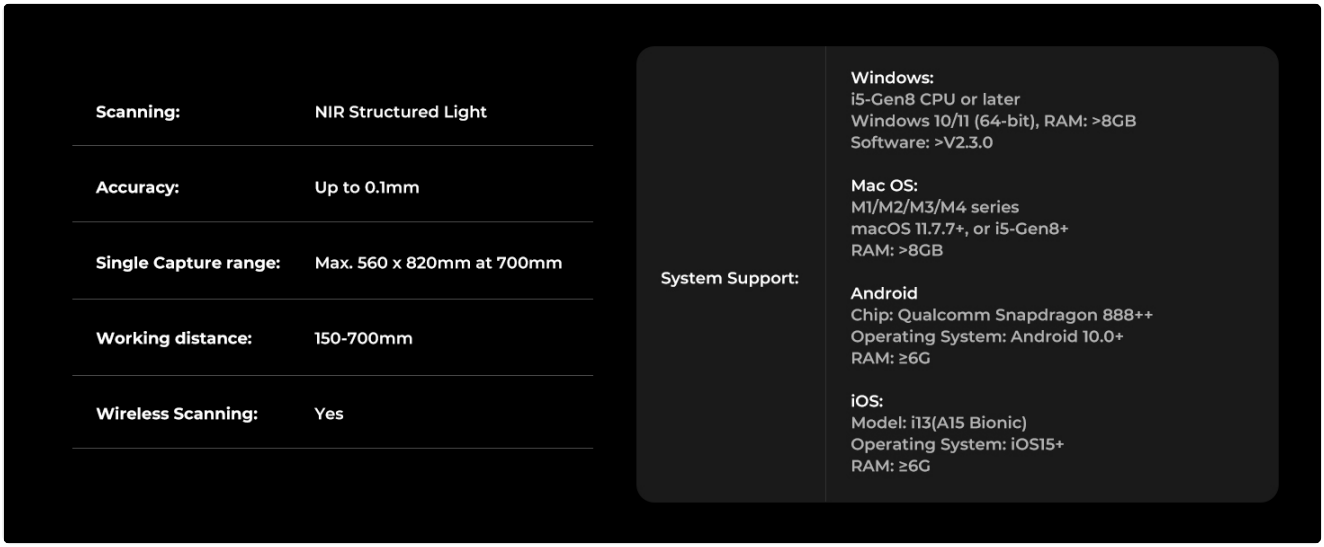

Image: A collage showcasing the wide application of the scanner, including human faces, auto parts, AR/VR models, and various crafts and sculptures.

Maintenance

- **Cleaning:** Gently wipe the scanner's lenses and body with a soft, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the scanner in its carrying case in a cool, dry place away from direct sunlight and extreme temperatures.
- **Software Updates:** Regularly check for and install software updates from the official Creality website to ensure optimal performance and access to new features.
- **Battery Care:** If the integrated power bank is used frequently, ensure it is charged regularly and not left fully discharged for extended periods.

Troubleshooting

Common Issues and Solutions:

- **Software Crashes/Freezes:**

  Ensure your computer meets the minimum system requirements (CPU, RAM, OS version). Close other demanding applications. Try restarting the software and your device. If issues persist, consider reinstalling the software or trying an older stable version if available, as some users have reported better stability with previous versions.

- **Tracking Loss During Scan:**

  Ensure consistent lighting conditions. Maintain a steady hand and a consistent distance from the object. Avoid rapid movements. For very smooth or reflective objects, ensure the anti-shake feature is active.

- **Poor Scan Accuracy/Detail:**

  Perform software calibration before scanning. Ensure the object is well-lit and stationary (if not handheld). Verify that the scanner lenses are clean. Check the working distance is within the recommended range (150-700mm).

- **Connection Issues (Wireless):**

  Ensure the WiFi Box is powered on and properly connected to the scanner. Verify your device is connected to the WiFi network broadcast by the WiFi Box. Restart both the scanner and your device.

For further assistance, refer to the detailed user manual included in the package or contact Creality customer

support.

Specifications

Feature	Detail
Scanning Technology	NIR Structured Light
Accuracy	Up to 0.1mm
Single Capture Range	Max. 560 x 820mm at 700mm
Working Distance	150-700mm
Wireless Scanning	Yes (WiFi 6)
Output Formats	OBJ/STL/PLY
Color Camera	Built-in 2MP High-Resolution
Outdoor Performance	Stable in sunlight (<30000 lux)
Package Dimensions	10.98 x 8.74 x 3.23 inches
Weight	2.84 Pounds

System Requirements:

- **Windows:** i5-Gen8 CPU or later, Windows 10/11 (64-bit), RAM: >8GB, Software: >V2.3.0
- **Mac OS:** M1/M2/M3/M4 series, macOS 11.7.7+ or Intel i5-Gen8+, RAM: >8GB
- **Android:** OS: Android 10.0+, RAM: >8GB, Connectivity: Wi-Fi 6, App: V2.0.2
- **iOS:** Model: iPhone 11+, iOS 15+, RAM: >4GB

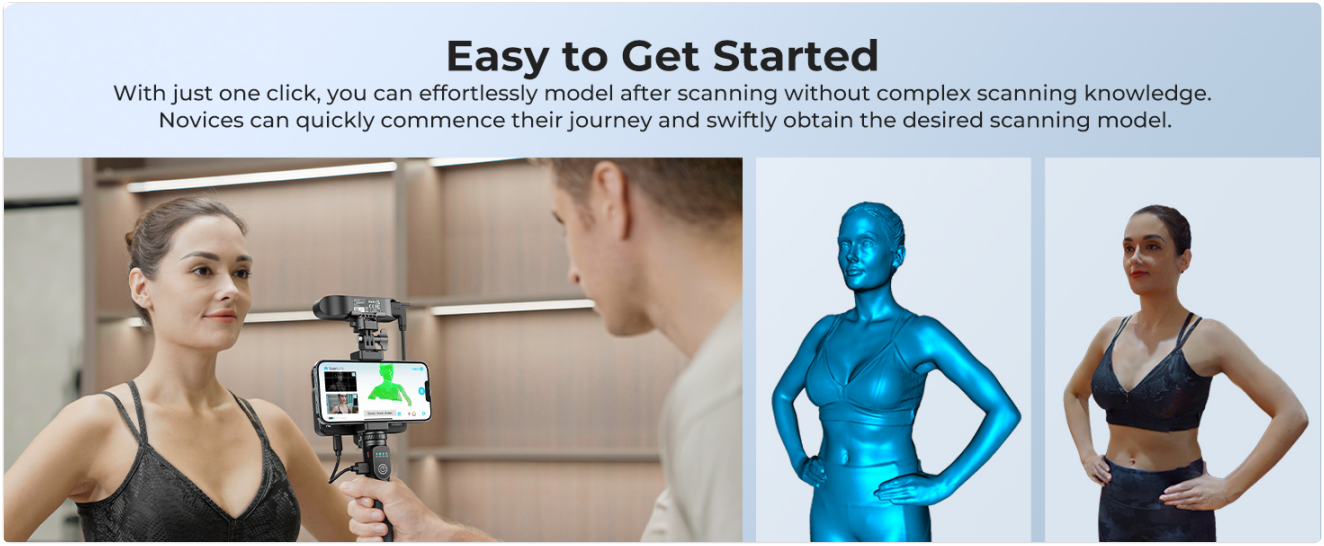

Image: Detailed table outlining the technical specifications and compatible operating system requirements for the CR-Scan Ferret Pro.

Warranty and Support

The Creality CR-Scan Ferret Pro comes with a standard return policy allowing for refund or replacement within 30

days. For specific warranty details, please refer to the warranty card included with your product or visit the official Creality website.

For technical support, troubleshooting assistance, or inquiries regarding your product, please contact Creality customer service. Solutions are typically offered within 24 hours for quality-related issues.

Official Creality Store: Visit Store

For the most up-to-date information and resources, please visit the official Creality support page.