

Matterport MC3003-X

Matterport Pro3 Performance Kit 3D Lidar Digital Camera User Manual

Model: MC3003-X

1. INTRODUCTION

The Matterport Pro3 Performance Kit is a professional 3D Lidar digital camera system designed for capturing and creating highly accurate 3D virtual tour experiences of indoor and outdoor spaces. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Pro3 Performance Kit to ensure optimal performance and longevity.

The Pro3 camera utilizes an ultra-fast, high-precision Lidar sensor to take millions of measurements per scan, enabling quick and accurate capture of complex spaces. It supports an extended scanning range of up to 100m for large areas and completes each sweep in under 20 seconds. The system is designed for continuous scanning with removable batteries and integrates with the Matterport Capture app for iOS or Android devices.

2. WHAT'S IN THE BOX

The Matterport Pro3 Performance Kit includes the following components:

- Matterport Pro3 3D Lidar Digital Camera
- Two (2) Removable Batteries
- Battery Charging Kit
- Quick Release Tripod Mount
- Tripod
- Wheeled Dolly
- Two (2) Door Stops
- Small Hard Case
- Backpack

Capture large spaces—fast.

With greater range and faster scan times, the Pro3 lets you capture complex spaces, and start working, in record time.



Image: All components of the Matterport Pro3 Performance Kit, including the camera, batteries, charger, tripod, dolly, and cases, are displayed.

3. SETUP

3.1 Battery Installation and Charging

1. Insert a fully charged battery into the battery compartment at the base of the Pro3 camera. Ensure it clicks securely into place.
2. To charge a battery, connect the battery to the charging kit and plug the charger into a power outlet. The indicator light on the charger will show the charging status.

Finish your capture.
Get to work faster.

At less than 20 seconds per scan,
you'll spend less time capturing
and more time collaborating.



Image: A hand inserting a removable battery into the Matterport Pro3 camera, illustrating the battery swap process.

3.2 Camera Assembly and Mounting

1. Extend the tripod legs and secure them firmly on a stable surface.
2. Attach the quick release tripod mount to the top of the tripod.
3. Mount the Pro3 camera onto the quick release tripod mount, ensuring it is securely fastened.
4. For enhanced mobility, attach the tripod with the camera to the wheeled dolly.



Image: The Matterport Pro3 camera is shown securely mounted on its tripod, ready for scanning operations.

3.3 App Installation and Connection

1. Download the Matterport Capture app from the App Store (iOS) or Google Play Store (Android) on your mobile device.
2. Ensure your Pro3 camera is powered on.
3. Open the Matterport Capture app and follow the on-screen instructions to connect to your Pro3 camera via Wi-Fi.

Security and advanced admin features for teams of all sizes.



Enterprise Security



Management & Permissions



Private Model Embed

Image: A mobile phone displaying the Matterport Capture app interface, indicating a successful connection to the camera and readiness for scanning.

4. OPERATING INSTRUCTIONS

4.1 Capturing 3D Spaces

1. Position the Pro3 camera in the desired starting location within the space to be scanned. Use the door stops to prevent doors from closing during scanning.
2. Open the Matterport Capture app on your connected mobile device.
3. Select 'New Job' or 'Continue Job' and follow the app's guidance to initiate a scan. The camera will rotate and capture the environment.
4. Move the camera to the next scanning position, ensuring sufficient overlap with the previous scan for accurate alignment. Repeat the scanning process.
5. The Pro3 can scan both indoor and outdoor environments, including under direct sunlight, with high precision.



Simplify maintenance and compliance needs.

Reality capture helps you allocate
resources more efficiently and decrease
site travel by up to 50%.

Image: The Matterport Pro3 camera is positioned outdoors on a construction site, demonstrating its capability to scan large areas from a distance.

Capture large spaces—fast.

With greater range and faster scan times, the Pro3 lets you capture complex spaces, and start working, in record time.



Image: The Matterport Pro3 camera is shown in a space transitioning from dim light to direct sunlight, highlighting its ability to capture seamlessly across different lighting conditions.

4.2 Data Processing and Management

1. Once all desired scans are completed, use the Matterport Capture app to upload the data to your Matterport account.
2. Matterport's cloud platform will process the raw scan data into a comprehensive 3D model. This process may take some time depending on the size and complexity of the scanned space.
3. Access and manage your 3D models through the Matterport cloud platform. Here you can add tags, measurements, and create guided tours.

Increase project efficiency.

Eliminate guesswork with reality capture to reduce rework, collaborate with a team, and keep projects on track.



Image: A collage of four distinct 3D models of different interior spaces, illustrating the variety of environments that can be captured and managed on the Matterport platform.

5. MAINTENANCE

5.1 Cleaning the Camera

- Use a soft, lint-free cloth to gently wipe the camera body.
- For the lens and Lidar sensor, use a specialized lens cleaning cloth and solution. Avoid abrasive materials or harsh chemicals.
- Ensure no dust or debris obstructs the Lidar sensor or camera lens.

5.2 Battery Care and Storage

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not fully discharge batteries before recharging.
- If storing the camera for an extended period, remove the battery from the camera body.

5.3 General Care

- Always transport the camera in its provided hard case or backpack to protect it from physical damage.
- Avoid exposing the camera to excessive moisture or dust.
- Regularly check all connections and mounts for security before operation.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Matterport Pro3 Performance Kit.

6.1 Connectivity Issues

- **Camera not connecting to app:** Ensure the camera is powered on and its Wi-Fi is enabled. Check your mobile device's Wi-Fi settings to confirm it's connected to the camera's network. Restart both the camera and the app if necessary.
- **App not detecting camera:** Verify that the Matterport Capture app is updated to the latest version. Ensure your mobile device meets the minimum system requirements for the app.

6.2 Scanning Errors

- **Scan alignment failures:** Ensure sufficient overlap between scans. Avoid moving objects or people within the scan area during capture. Maintain consistent lighting conditions where possible.
- **Poor scan quality:** Check the camera lens and Lidar sensor for obstructions or smudges. Ensure the camera is stable on the tripod during scanning.
- **Battery draining quickly:** Ensure batteries are fully charged before use. Consider carrying spare charged batteries for extended scanning sessions.

6.3 General Performance

- **Camera unresponsive:** Power cycle the camera by turning it off and then on again. If the issue persists, contact Matterport support.

For further assistance, please refer to the official Matterport support resources available on their website.

7. SPECIFICATIONS

Feature	Specification
Model Number	MC3003-X
Package Dimensions	24.8 x 22.36 x 12.99 inches
Weight	32.32 Pounds (total kit)
Batteries	2 Lithium Metal batteries (included)
Shooting Modes	Automatic, Manual, Aperture Priority, Shutter Priority
Exposure Control Type	Manual or multiple modes including Manual



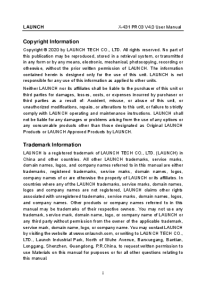
Feature	Specification
Color	Black
Video Capture Resolution	2160p
Media Type	Compact Flash, SD Card, XQD Card
Lidar Precision	+/- 20mm @10m
Lidar Points per Second	100K
Scan Time per Sweep	<20 seconds
Scanning Range	Up to 100m (extended range in E57 files only)

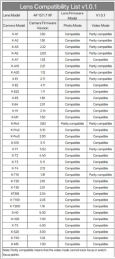

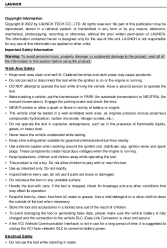
8. WARRANTY AND SUPPORT

The Matterport Pro3 Performance Kit is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Matterport website. For technical support, product registration, and access to additional resources, please visit the [Matterport Support Page](#).


Note that the Pro3 camera operates best with a Matterport professional or business plan, which unlocks premium features and access to the Matterport Capture app. Details on plans can be found on the Matterport website.

Related Documents - MC3003-X

	<p>Matterport Pro3 User Guide</p> <p>Comprehensive user guide for the Matterport Pro3 3D scanner, detailing setup, connection procedures, camera display indicators, and essential care and safety instructions.</p>
	<p>Matterport Pro3 Quick Start Guide</p> <p>This guide provides essential information to set up and connect your Matterport Pro3 3D camera, covering component identification, setup steps, device connection, and care instructions.</p>
	<p>LAUNCH X-431 PRO3 V4.0 User Manual: Advanced Vehicle Diagnostics Guide</p> <p>Explore the capabilities of the LAUNCH X-431 PRO3 V4.0 with this user manual. Learn about its advanced diagnostic features, special functions, software updates, and professional automotive repair applications. Visit www.cnlaunch.com for more.</p>

	<p>Viltrox AF 15mm F1.7 XF Lens Compatibility List v1.0.1</p> <p>Viltrox AF 15mm F1.7 XF lens compatibility guide for Fujifilm X-Mount cameras. Check camera model and firmware compatibility for photo and video modes.</p>
	<p>Golf Shaft Guide: Choosing the Right Shaft for Your Game Haywood Golf</p> <p>Explore Haywood Golf's comprehensive guide to golf shafts. Understand fitting factors like flex, weight, launch, and spin to select the perfect shaft for drivers, irons, and wedges to optimize your swing and performance.</p>
	<p>LAUNCH X-431 PRO3 LINK User Manual</p> <p>Comprehensive user manual for the LAUNCH X-431 PRO3 LINK diagnostic tool, covering setup, operation, features, and safety precautions for vehicle diagnostics.</p>

Documents - Matterport – MC3003-X

 <p>Pro3 Performance Kit</p> <p>Pro3 is the next-generation lidar camera for professionals in commercial and residential real estate, construction, insurance, and manufacturing.</p> <p>Bring any space into the virtual world.</p> <ul style="list-style-type: none">Immersive, 4K-resolution, photo-realistic digital twinExtended scanning range of up to 100m to enable quick capture of large spaces (Normal range is 20m, extended range available in 3D File only)Capture large spaces faster than traditional laser scanners. Impressive scan and photo capture capabilities for spaces of all kinds, indoors and out, even in direct sunlight <p>Increase scanning efficiency with included accessories.</p> <p>The Pro3 Performance Kit is ideal for professionals who need to capture large spaces quickly and ships with the following included in the box: two removable batteries, battery charging kit, a quick release tripod mount, a tripod, a wheeled dolly, two door stops, a small hard case, and backpack.</p> <p>High-density scanning for more detailed point clouds.</p> <ul style="list-style-type: none">Standard, medium, and high-density scanning options to achieve the desired level of accuracy for each jobHigher density point clouds that can be accessed as 4096 files for smoother integration with AutoCAD and other design and construction softwarePreservation of absolute details for more accurate record keeping or workflows requiring a high level of visual precision <p>Unrivaled precision and performance.</p> <ul style="list-style-type: none">Ultra fast, high-precision lidar sensor takes millions of measurements per scanRender large-scale projects at a high level of precision (r: 30mm @ 100m) and create high-fidelity digital twins (100K points per second)Completes each sweep in <20 secondsRemovable, rechargeable battery allows for continuous scanning until the job is done <p>Get the most from Pro3.</p> <ul style="list-style-type: none">Example model scanned by the cameraFull product detailsThe camera pairs with iOS or Android devices running the Matterport Capture appThe camera works best with a Matterport professional or business industry plan and is not compatible with a free or starter plan. Visit the Matterport website for more detailsNo need to worry - Matterport offers 30-day hassle-free returns on all hardware purchases	<p>[pdf] Instructions Accessories</p> <p>Untitled Matterport Pro3 Performance Kit 3D Lidar Scanner Digital Camera for Creating Professional Virtual Tour Experiences with 360 Views and 4K Photography Indoor Outdoor Spaces Trusted Accuracy MC3003 X Instructions Use IFU B098RGV2KM B0B8Z1RQWX B093RLMVDY B09TLJ3C1S B08B2Q3S85 B098RBRRS6 B0CMZC8FJV B0B8YWVYHN 91xTKZlcbML m media amazon images I </p> <p>Pro3 Performance Kit Pro3 is the next-generation lidar camera for professionals in commercial and residential real estate, construction, insurance, and manufacturing. Bring any space into the virtual world. x Immersive, 4K-resolution, photo-realistic digital twin x Extended scanning range of up to 1...</p> <p>lang:en score:32 filesize: 804.89 K page_count: 1 document date: 2024-02-01</p>
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