virtavo XM1

virtavo XM1 Dual-Lens Solar Security Camera User Manual

MODEL: **XM1** | BRAND: VIRTAVO

1. Introduction

This manual provides comprehensive instructions for the setup, operation, and maintenance of your virtavo XM1 Dual-Lens Solar Security Camera. The XM1 is a 100% wire-free outdoor security camera featuring dual-lens technology for a wide panoramic view, starlight night vision, smart AI detection, and local storage capabilities. Please read this manual thoroughly before using the product to ensure optimal performance and safety.

Image: The virtavo XM1 Dual-Lens Solar Security Camera shown with its accompanying solar panel, illustrating its wire-free design.

2. Package Contents

Ensure all items are present in the package:

- virtavo XM1 Dual-Lens Solar Security Camera
- Solar Panel

- Charging Cable
- Instruction Manual
- Mounting Screws
- Stand

3. Product Overview & Key Features

The virtavo XM1 camera is designed for robust outdoor surveillance with advanced features:

3.1 Dual-Lens Seamless Fusion & 10x Zoom

The camera utilizes two lenses with advanced stitching and color fusion technology to provide a wide 4MP panoramic view. This design aims to eliminate distortion and blind spots, offering comprehensive coverage. Digital zoom up to 10x allows for detailed inspection of recorded events.
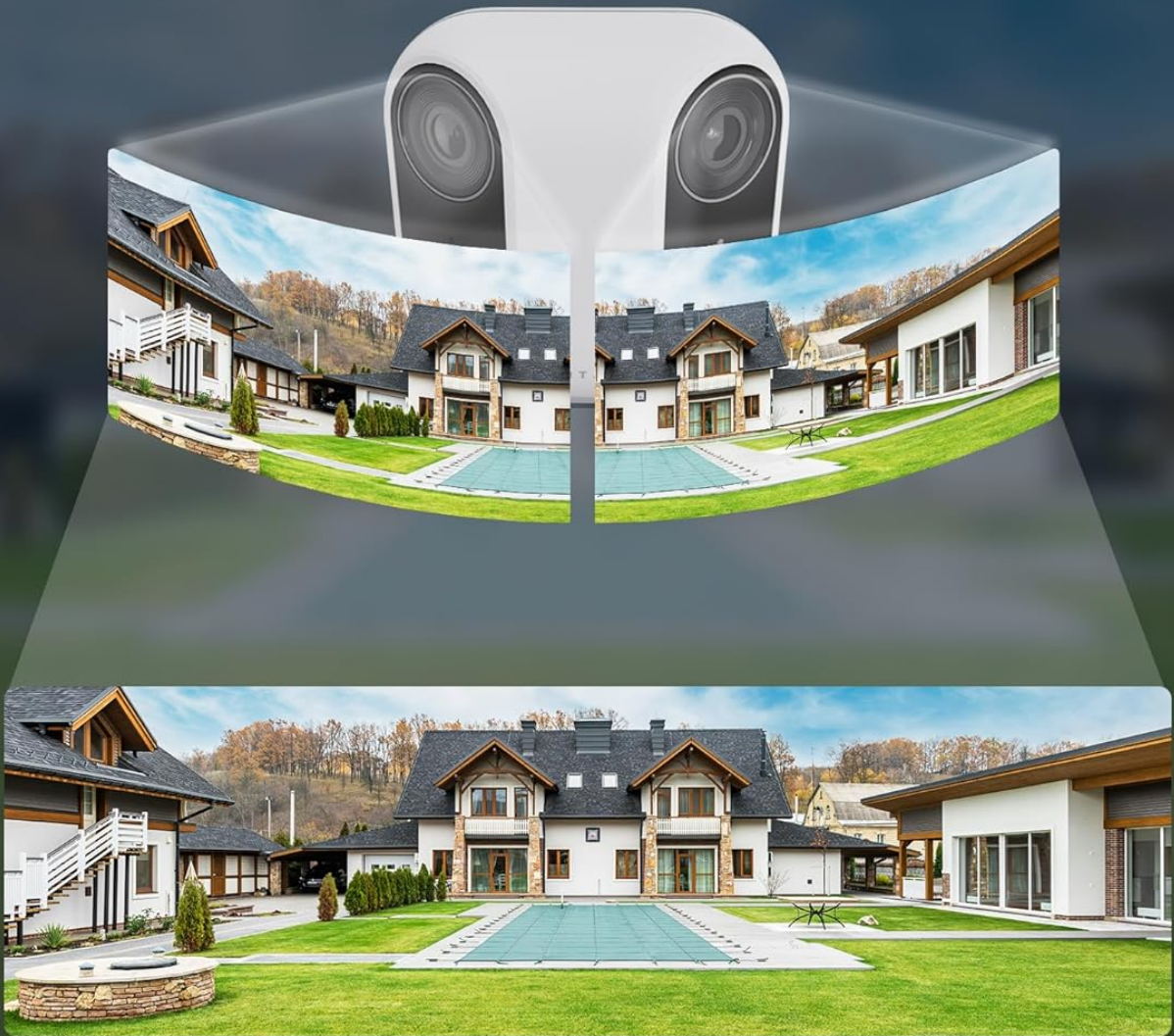
Image: Illustration of the dual-lens panoramic view, showing two camera feeds seamlessly merged into one wide image.

3.2 100% Wire-Free & Solar Powered

The XM1 operates completely wire-free, powered by a high-efficiency solar panel and a 4400mAh rechargeable battery. This eliminates the need for cables and frequent manual recharging, making installation flexible and eco-friendly. Bluetooth pairing simplifies the initial setup process.

Image: Diagram illustrating how the 3W solar panel provides continuous power to the camera.

3.3 Starlight Night Vision

Equipped with an advanced starlight sensor, the camera delivers bright, full-color images even in extremely low-light conditions. This provides clearer details and true-to-life colors compared to traditional infrared night vision, enhancing security during nighttime hours.
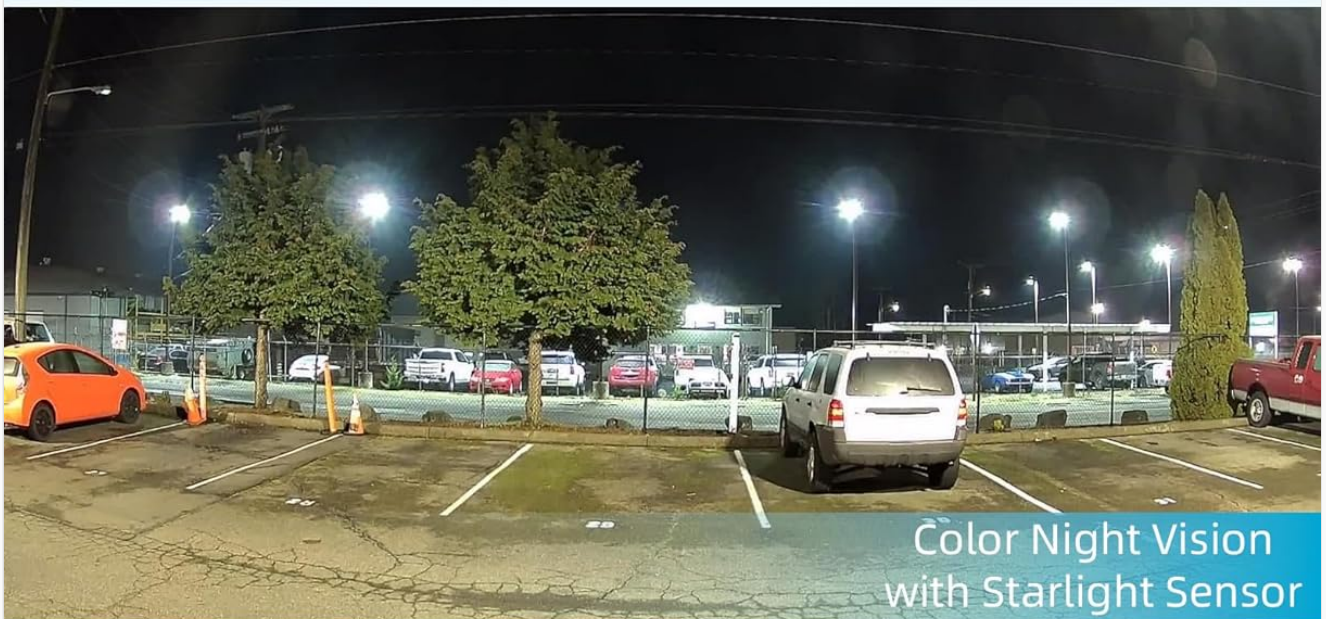
Image: A side-by-side comparison showing a clear daytime view and a vibrant color night vision image captured by the starlight sensor.

3.4 24/7 AI Smart Capture & Dual PIR Motion Detection

Dual PIR motion detection combined with AI analysis allows the camera to accurately distinguish between people, vehicles, and pets, minimizing false alarms. Instant notifications are sent to your smartphone via the "Home V" app when motion is detected.

Local AI Detection

Accurately identifies people, vehicles, and animals for faster, more reliable on-device alerts.

Person **Vehicles** **Animals**

Image: Visual representation of the camera's local AI detection accurately identifying a person, vehicles, and animals.

3.5 No Subscription & Local Storage

The camera supports up to a 256GB micro SD card (sold separately) for secure local video storage, ensuring privacy and eliminating monthly subscription fees.

Image: The virtavo XM1 camera highlighting its microSD card slot for local storage, supporting up to 256GB.

3.6 IP65 Weatherproof Design

With an IP65 rating, the camera is designed to withstand various weather conditions, including snow, rain, and sun, ensuring reliable operation year-round.

Weather-Proof Design

From frost to summer heat, IP65-rated
protection keeps your camera running 24/7.

❄️ Snowing   🌧️ Raining   ☀️ Sunny

IP65

-4°F/-20°C   122°F/50°C

Image: The virtavo XM1 camera shown enduring rain, emphasizing its IP65 weatherproof construction.

4. Setup Instructions

1. **Download the App:** Download and install the "Home V" app on your smartphone. Register an account if you don't have one.

2. **Initial Charge:** Before installation, fully charge the camera using the provided charging cable to ensure maximum battery life.

3. **Pairing:** Follow the in-app instructions to pair your camera via Bluetooth. This typically involves pressing a

sync button on the camera and confirming the connection in the app.

4. **Wi-Fi Connection:** Connect the camera to your 2.4GHz Wi-Fi network through the app. Ensure a strong Wi-Fi signal at the installation location for stable performance.

5. Installation

The virtavo XM1 offers flexible installation options:

- **Location:** Choose a location with optimal sunlight exposure for the solar panel and a clear view of the area you wish to monitor.
- **Mounting Height:** It is recommended to mount the camera 7-10 feet (2-3 meters) above the ground for an ideal viewing angle and effective motion detection.
- **Mounting Options:** The camera supports wall or tree mounting. Use the provided mounting screws and stand for secure installation. The solar panel can be attached directly to the camera or positioned separately using a longer cable (if provided or purchased separately) to maximize sun exposure.

Image: The virtavo XM1 camera mounted on a tree, showcasing flexible installation options with the solar panel.

Your browser does not support the video tag.

Video: Panda Solar Security Cameras Wireless Outdoor. This video demonstrates the installation of a solar-powered wireless outdoor camera, providing visual guidance for mounting and positioning.

6. Operating Instructions

6.1 Live View & Playback

Access the "Home V" app to view live footage from your camera. Recorded events are stored on the micro SD card and can be accessed and played back through the app's interface. The dual-lens system provides a 160° ultra-wide viewing angle for comprehensive monitoring.

6.2 Two-Way Audio

The camera features two-way audio, allowing you to listen to the environment around the camera and speak through its built-in speaker using the "Home V" app. This is useful for communicating with visitors or deterring intruders.

6.3 Motion Detection & Alerts

Configure motion detection sensitivity and zones within the app. The AI detection will send instant notifications to your phone when it identifies people, vehicles, or pets, providing timely alerts for important events.

7. Maintenance

- **Cleaning:** Regularly wipe the camera lenses and solar panel with a soft, damp cloth to ensure clear vision and efficient solar charging. Avoid abrasive cleaners.
- **Battery:** The solar panel is designed to keep the battery charged. In periods of prolonged low sunlight, you may need to manually charge the camera using the provided USB cable.
- **Firmware Updates:** Check the "Home V" app periodically for firmware updates to ensure your camera has the latest features and security enhancements.

8. Troubleshooting

- **No Power/Charging:** Ensure the solar panel is clean and receiving direct sunlight. Verify the charging cable is securely connected if charging manually.
- **Wi-Fi Connectivity Issues:** Confirm the camera is within range of your 2.4GHz Wi-Fi router. Restart both the camera and your router. If issues persist, try relocating the camera closer to the router.
- **False Motion Alerts:** Adjust the motion detection sensitivity and configure specific detection zones within the "Home V" app to minimize alerts from non-relevant movements (e.g., trees swaying, small animals).
- **Poor Image Quality:** Clean the camera lenses. Ensure there are no obstructions in the camera's field of view. Check your Wi-Fi signal strength for optimal streaming quality.

9. Specifications

Feature	Detail
Model	XM1
Brand	virtavo
Indoor/Outdoor Usage	Outdoor
Power Source	Solar Powered
Connectivity Protocol	Wi-Fi (2.4GHz)
Video Capture Resolution	1080p (4MP panoramic view)
Battery Power	4400 mAh
Special Feature	Waterproof (IP65), Starlight Night Vision, AI Detection, Dual-Lens

Local Storage	Up to 256GB Micro SD Card (sold separately)
Dimensions	3.54 x 2.17 x 3.54 inches
Item Weight	1.98 pounds (0.9 Kilograms)

10. Warranty & Support

virtavo is committed to providing professional customer support for a worry-free experience from setup to everyday use. For any inquiries, technical assistance, or support needs, please refer to the contact information provided in your product packaging or visit the official virtavo website.
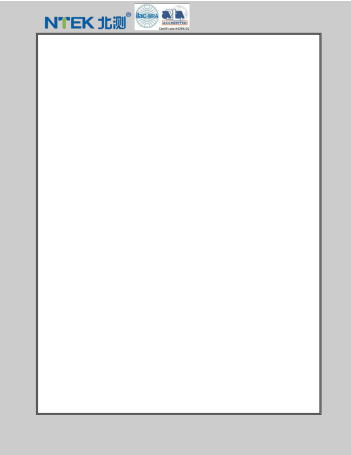
Related Documents - XM1
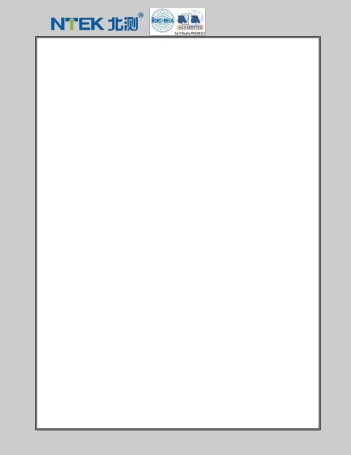
	[EggSentry Dual Lens Smart Security Camera	VIRTAVO Product Overview](#) Explore the VIRTAVO EggSentry Dual Lens Smart Security Camera, featuring 1080p HD resolution, pan-tilt functionality, advanced starlight color night vision, and two-way audio for comprehensive indoor security. Learn about its features, specifications, and packaging.
	[Virtavo Starlight Security Camera Quick Start Guide](#) A quick start guide for the Virtavo Starlight Security Camera, covering setup, mounting, charging, and warranty information.
	[VIRTAVO EggSentry Security Camera Quick Start Guide - Setup and Installation](#) Comprehensive Quick Start Guide for the VIRTAVO EggSentry Security Camera. Learn how to set up, mount, and operate your camera with detailed instructions, product overview, warranty, and regulatory information.
	[VIRTAVO PandaVista Outdoor Battery Camera: User Manual & Installation Guide](#) Comprehensive guide for the VIRTAVO PandaVista Outdoor Battery Camera, covering unboxing, setup, mounting, solar panel installation, safety, and warranty information. Learn how to install and use your smart security camera.

	Virtavo Wireless Security Camera Quick Start Guide
	Get started with your Virtavo Wireless Security Camera. This quick start guide provides essential information on setup, mounting, charging, product overview, safety statements, and warranty for your 180-day battery life indoor/outdoor camera.
	Virtavo Starlight Security Camera Quick Start Guide
	A quick start guide for the Virtavo Starlight Security Camera, covering setup, mounting, charging, and warranty information.

Documents - virtavo – XM1

[pdf] Test Report

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT fly BLE test report Hangzhou Fanhan Technology Co Ltd XM1 PandaVista Smart Camera 2BARM 2BARMXM1 xm1

Report No.: S25031701403001 RADIO TEST REPORT FCC ID: 2BARM-**XM1**
Product: PandaVista Smart Camera Trade Mark: VIRTAVO Model No.: **XM1** Family
Model: XM2, XM3 Report No.: S25031701403001 Issue Date: Apr. 22, 2025
Prepared for Hangzhou Fanhan Technology Co., Ltd. 2-1003, No. 6, Lianhui Street, Xixing Str...
lang:en score:24 filesize: 4.13 M page_count: 78 document date: 2025-05-08

[pdf] Test Report

WIFI 2 4G test report 1 Hangzhou Fanhan Technology Co Ltd XM1 PandaVista Smart Camera 2BARM 2BARMXM1 xm1

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lang:en score:23 filesize: 1.53 M page_count: 44 document date: 0000-00-00