

virtavo 53350

virtavo SolarFlask Solar Security Camera User Manual

Model: 53350

INTRODUCTION

Thank you for choosing the virtavo SolarFlask Solar Security Camera. This manual provides essential information for setting up, operating, and maintaining your camera to ensure optimal performance and security for your home. Designed for outdoor use, this wire-free camera leverages solar power for continuous operation, offering advanced features like 2K QHD video, color night vision, AI motion detection, and two-way audio.

WHAT'S IN THE BOX

- virtavo SolarFlask Camera
- Solar Panel (integrated or attached)
- Mounting Bracket
- Mounting Screws and Anchors
- USB Charging Cable
- User Manual (this document)

FEATURES OVERVIEW

- **Solar Powered & Wire-Free:** Eliminates the need for wires and cables, operating continuously with sunlight.
- **Superior 2K QHD Imaging & Color-Rich Night Vision:** Captures clear details with 2K QHD resolution and Starlight technology, providing vivid color images even in low light.
- **Advanced PIR Motion Detection & Smart Alerts:** Features a 30-foot range PIR motion detection for instant alerts and two-way communication via the 'HOME V' app.
- **Effortless Installation & Remote Access:** Quick and easy setup with remote monitoring and control through the 'HOME V' app.
- **Secure Storage Options & Enhanced Privacy:** Supports SD cards (32GB to 256GB) for continuous recording and offers optional cloud storage with video encryption.
- **Weatherproof Design:** IP65 rated for outdoor durability against various weather conditions.

1. Physical Installation

Choose a mounting location that receives ample direct sunlight throughout the day for optimal solar charging. Ensure the camera's view is unobstructed and covers the desired monitoring area. The camera should be mounted under an overhang or eave to protect it from direct heavy rain, while still allowing the solar panel to receive sunlight.

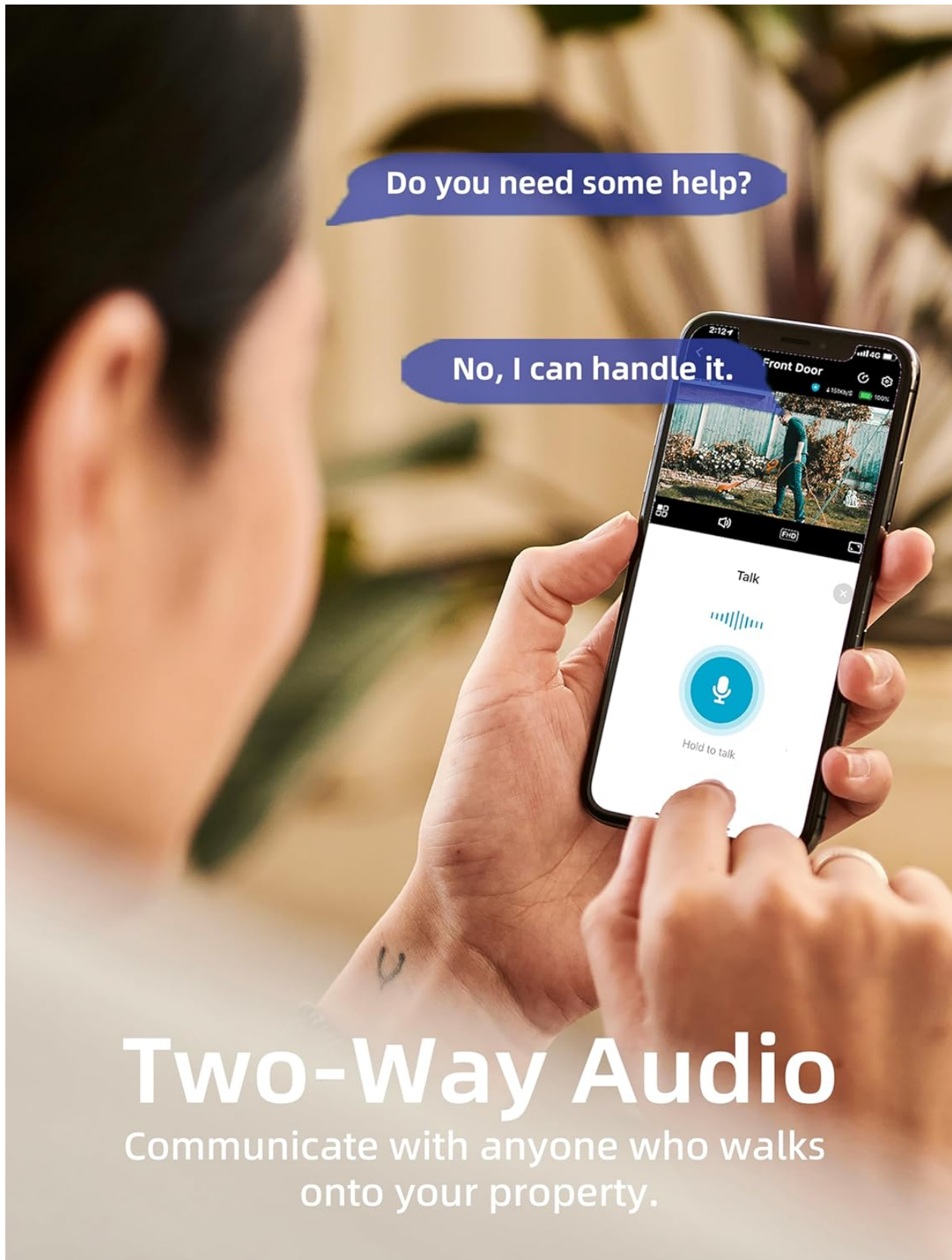


Figure 1: Mounting the camera and attaching the solar panel.

1. Position the mounting bracket on the desired surface and mark the screw holes.
2. Drill pilot holes if necessary, then insert the provided anchors.
3. Secure the mounting bracket to the surface using the screws.
4. Attach the camera to the mounting bracket. The camera's base allows for pivoting to adjust the viewing angle.
5. Ensure the solar panel is positioned to maximize sun exposure. The camera's design allows the solar panel to be positioned above the camera unit.

2. App Installation & Connection

The virtavo SolarFlask camera is controlled via the 'HOME V' app. Before starting, ensure your smartphone or tablet is connected to a 2.4GHz Wi-Fi network.

1. Download the 'HOME V' app from your device's app store (iOS App Store or Google Play Store).
2. Open the app and create a new account or log in if you already have one.
3. Follow the in-app instructions to add your new camera. This typically involves scanning a QR code on the camera or manually selecting the device type and connecting to your Wi-Fi network.
4. Once connected, you will see the live feed from your camera and can begin configuring its settings.

OPERATING YOUR CAMERA

1. Solar Charging

The integrated solar panel continuously charges the camera's battery. For optimal charging, ensure the solar panel receives direct sunlight for several hours daily. A red indicator light on the camera will illuminate when it is actively charging from the solar panel.



Figure 2: Solar charging in action.

2. 2K QHD Imaging & Color Night Vision

The camera provides clear 2K QHD (2048x1080) resolution video. Its Starlight lens and F1.6 aperture enable vivid, color-rich images even in low-light conditions. For complete darkness, two high-intensity IR LEDs provide clear black and white night vision up to 30 feet.

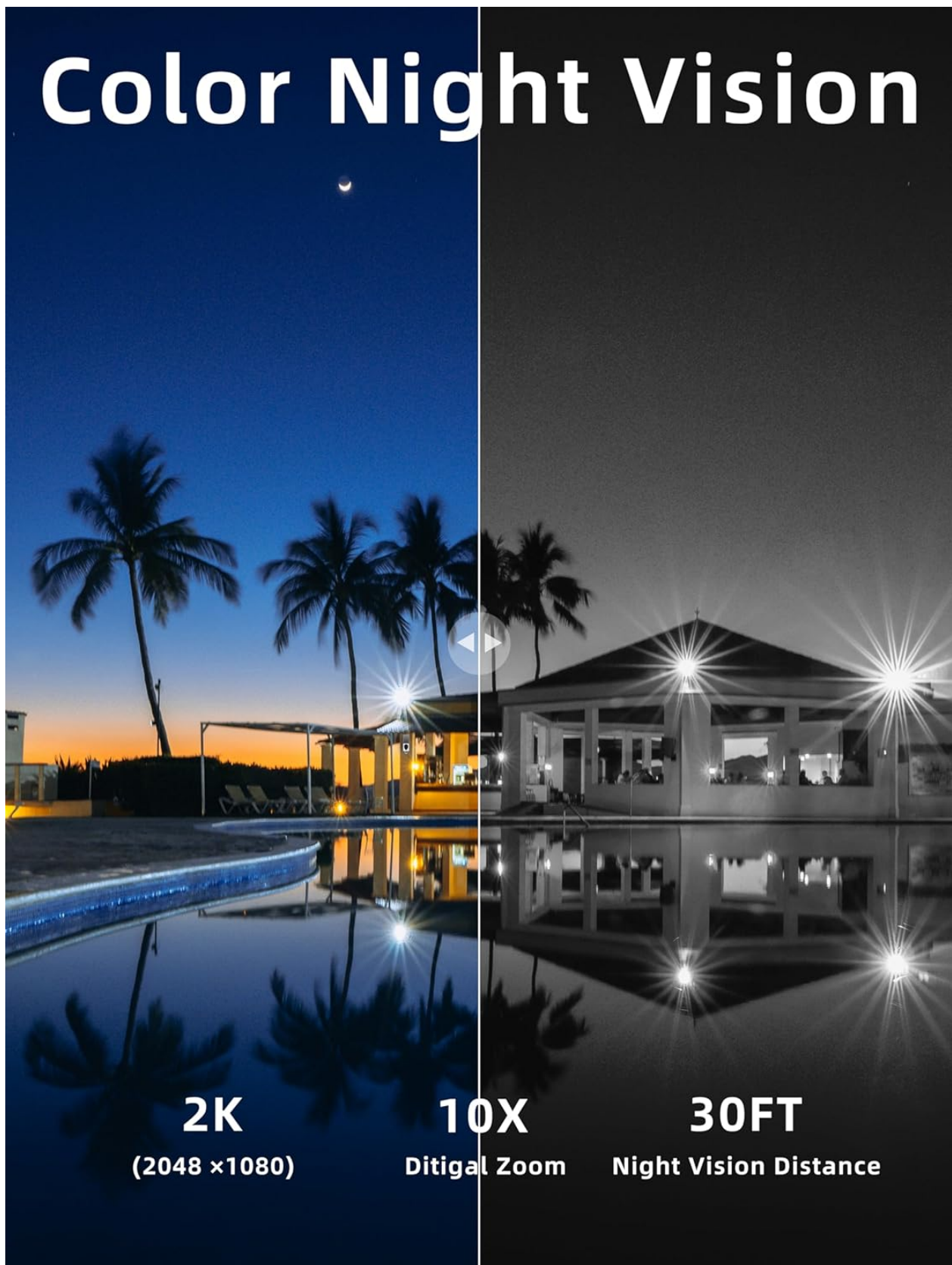


Figure 3: Color Night Vision vs. Standard Night Vision.

3. Advanced PIR Motion Detection & Smart Alerts

The camera utilizes Passive Infrared (PIR) technology for accurate motion detection up to 30 feet. You will receive instant alerts on your smartphone when motion is detected. You can customize motion detection zones within the app to focus on specific areas and reduce false alarms.

Always In Focus

Equipped with an advanced PIR sensor.

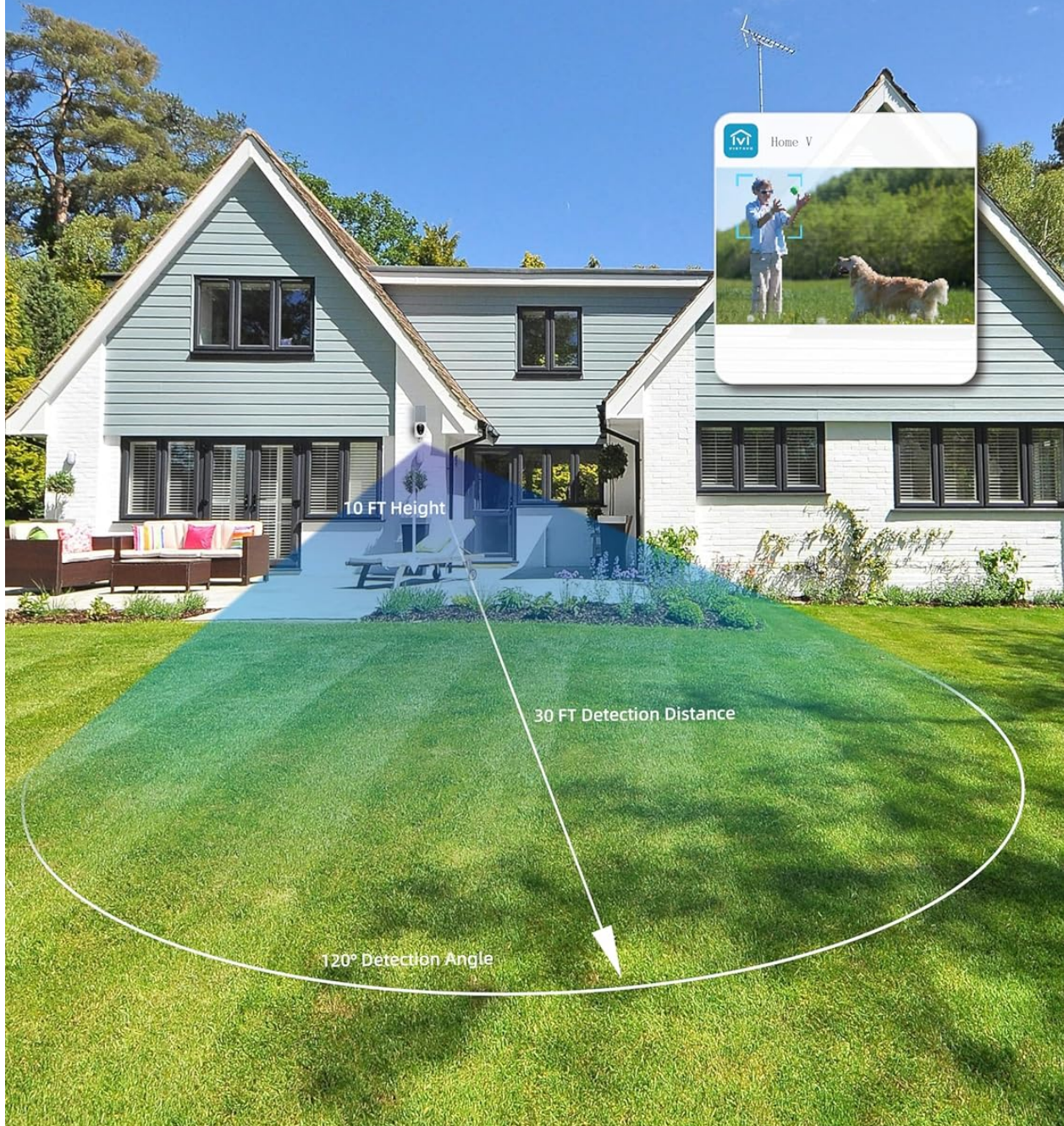


Figure 4: Motion detection area and range.

4. Two-Way Audio

Communicate with visitors or deter intruders using the camera's built-in microphone and speaker. Access the two-way audio feature directly from the 'HOME V' app's live view interface.



Figure 5: Using the two-way audio feature.

5. Secure Storage Options

The camera offers flexible storage solutions for your recordings:

- **Local Storage:** Insert an SD card (32GB to 256GB, not included) into the camera's designated slot for continuous recording, even without an internet connection. Video encryption ensures your privacy.
- **Cloud Storage:** Optional cloud storage plans are available through the 'HOME V' app, providing additional features like snapshot alerts and advanced AI capabilities, along with web-based monitoring.



Figure 6: SD card slot for local storage.

MAINTENANCE

1. Weather Resistance

The virtavo SolarFlask camera is rated IP65 weatherproof, meaning it is protected against dust ingress and low-pressure water jets from any direction. While designed for outdoor use, mounting it under an overhang or eave can provide additional protection and prolong its lifespan, especially in areas with extreme weather conditions.

Weatherproof



Figure 7: Weatherproof design.

2. Battery Management

The camera's battery is primarily charged by the integrated solar panel. In periods of prolonged cloudy weather or insufficient sunlight, the battery level may drop. The 'HOME V' app will display the current battery percentage. If the battery level becomes critically low, you can manually charge the camera using the provided USB charging cable.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Camera not connecting to Wi-Fi	Incorrect Wi-Fi password; camera too far from router; 5GHz Wi-Fi network.	Double-check password; move camera closer to router or use a Wi-Fi extender; ensure you are connecting to a 2.4GHz network.
Battery not charging	Insufficient sunlight; solar panel obstructed or dirty.	Relocate camera to an area with more direct sunlight; clean the solar panel; manually charge via USB if needed.
Frequent false motion alerts	Motion detection zone too wide; environmental factors (e.g., moving branches, shadows).	Adjust motion detection sensitivity in the app; define specific motion zones to exclude irrelevant areas.
Poor video quality	Weak Wi-Fi signal; dirty lens.	Improve Wi-Fi signal strength; clean the camera lens with a soft cloth.
Two-way audio not working	Microphone/speaker muted in app; app permissions.	Check app settings to ensure audio is enabled; verify app has microphone permissions on your device.

SPECIFICATIONS

Feature	Detail
Model Number	53350
Indoor/Outdoor Usage	Outdoor, Indoor
Power Source	Battery Powered (2 Lithium Ion batteries included)
Connectivity Protocol	Wi-Fi (2.4GHz)
Video Capture Resolution	2K QHD
Viewing Angle	120 Degrees
Night Vision Range	30 Feet
Motion Detection	PIR (Passive Infrared)
Two-Way Audio	Yes
Storage Options	SD Card (up to 256GB), Cloud Storage (optional)
International Protection Rating	IP65
Item Dimensions (L x W x H)	2.7 x 1.3 x 3.2 inches
Item Weight	13.3 ounces

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official virtavo website or contact

their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.