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Oculview DL201

Oculview Solar-Powered Wireless Security Camera User Manual

Model: DL201

Introduction Components Setup Operating Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

Thank you for choosing the Oculview Solar-Powered Wireless Security Camera. This manual provides detailed instructions for the installation, operation, and maintenance of your new security system. Designed for outdoor use, these cameras offer 2K HD video, a 360° panoramic view, and reliable solar power to ensure continuous surveillance of your property.

The Oculview camera system is built for ease of use and durability, featuring IP65 weather resistance and flexible storage options. Please read this manual thoroughly before use to ensure proper setup and optimal performance.



Image: Oculview Solar-Powered Wireless Security Cameras.

2. Package Contents

Please verify that all components are present in your package:

- 2 x Oculview PTZ Solar Cameras
- 2 x Solar Panels (with 3m cable)
- 2 x Charging Power Cables (0.5m cable)
- 2 x Wall Mount Brackets for Cameras
- 2 x Product Screw Packs
- 2 x Solar Panel Screw Packs
- 2 x Positioning Stickers
- 1 x User Manual

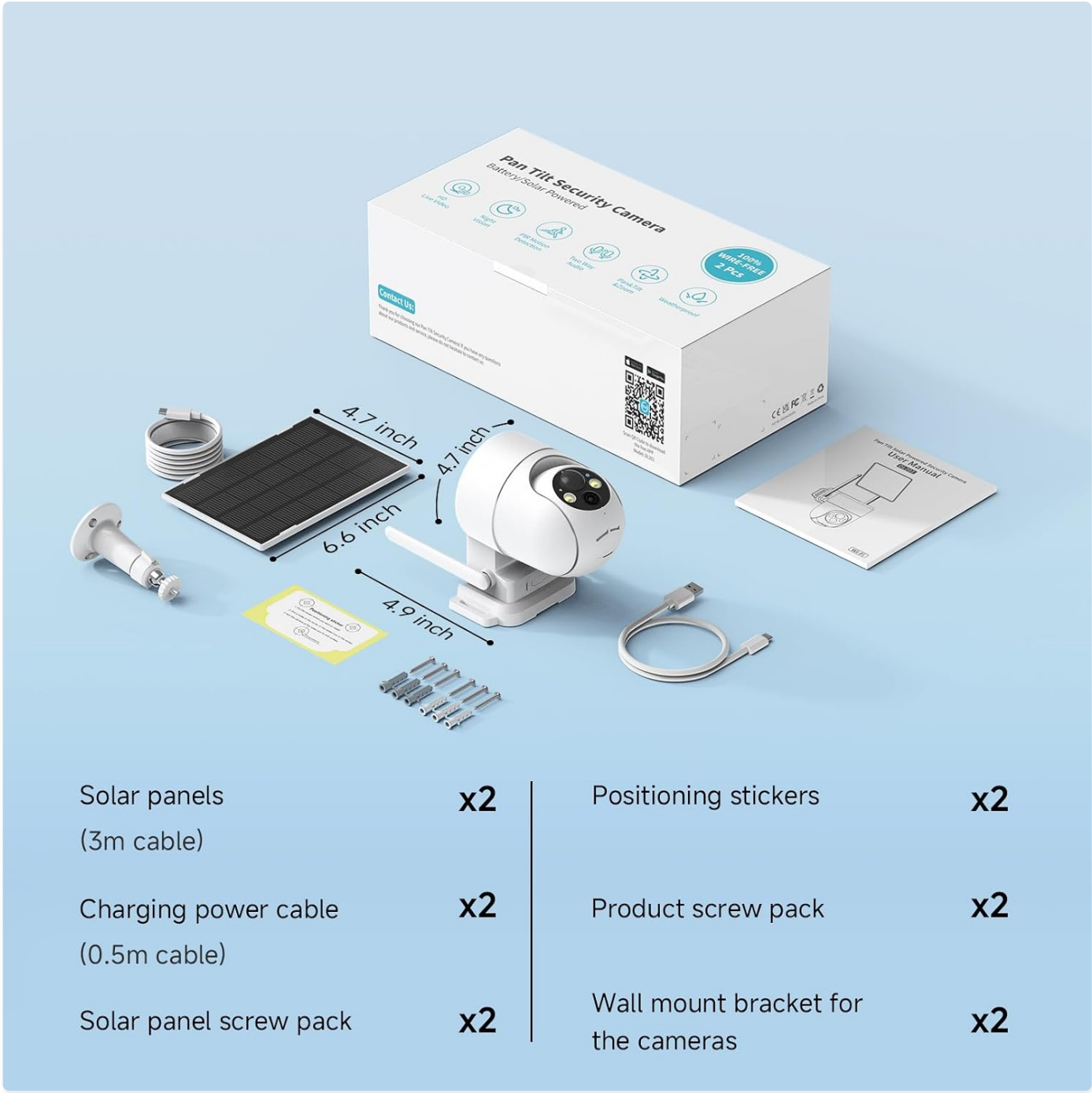


Image: Included components and their respective quantities.

3. Installation and Setup

The Oculview camera system is designed for quick and easy installation, typically taking around 5 minutes per camera. Follow these steps for a smooth setup:

3.1 Pre-Installation Checklist

- Ensure your Wi-Fi network is **2.4 GHz**. 5 GHz Wi-Fi is **not supported**.
- Download the **Ubox app** on your smartphone. You can find it on your device's app store or by visiting http://app.ubianet.com/app/ubox/.
- Charge the camera's internal battery fully before initial installation, if possible, using the provided charging cable.

3.2 Mounting the Camera and Solar Panel

1. **Choose a Location:** Select an outdoor location with good Wi-Fi signal and ample sunlight exposure for the solar

panel. The camera can be mounted on a wall or ceiling.

2. **Mark Drill Holes:** Use the positioning stickers to mark the drill holes for the camera bracket and solar panel bracket.
3. **Drill and Mount:** Drill the marked holes and secure the camera and solar panel brackets using the provided screws and wall plugs.
4. **Attach Camera and Solar Panel:** Securely attach the camera to its bracket and the solar panel to its bracket.
5. **Connect Solar Panel:** Connect the solar panel cable to the camera's charging port. Ensure a tight connection to maintain weather resistance.



Image: Proper mounting and solar panel connection for continuous power.

3.3 App Configuration

1. **Open Ubox App:** Launch the Ubox app on your smartphone and create an account or log in.
2. **Add Device:** Follow the in-app instructions to add a new device. This typically involves scanning a QR code on the camera or manually entering its ID.
3. **Connect to Wi-Fi:** The app will guide you through connecting the camera to your 2.4 GHz Wi-Fi network. Ensure

your phone is also connected to the same 2.4 GHz network during this process.

4. **Complete Setup:** Once connected, you can name your camera and adjust initial settings within the app.

4. Operating Your Oculview Camera

Your Oculview camera offers a range of features for effective surveillance:

4.1 2K HD Resolution and 360° Panoramic View

The camera captures video in ultra-clear 2K resolution, ensuring sharp and detailed images. Utilize the pan (355°) and tilt (100°) functions via the Ubox app to achieve a full 360° panoramic view of your surroundings, eliminating blind spots. The camera also supports 4x digital zoom.



Image: Panoramic view capability of the Oculview camera.

4.2 Solar Power and Battery Life

Equipped with a high-efficiency solar panel and a rechargeable battery, your camera is designed for uninterrupted operation. The solar panel continuously charges the battery, providing stable power for up to 365 days under optimal sunlight conditions. This eliminates the need for frequent manual charging.

4.3 Night Vision

The Oculview camera features advanced night vision capabilities. It can provide 2K color night vision using its powerful white spotlight, or switch to infrared (IR) night vision for discreet monitoring in complete darkness. The night vision range extends up to 49 feet.

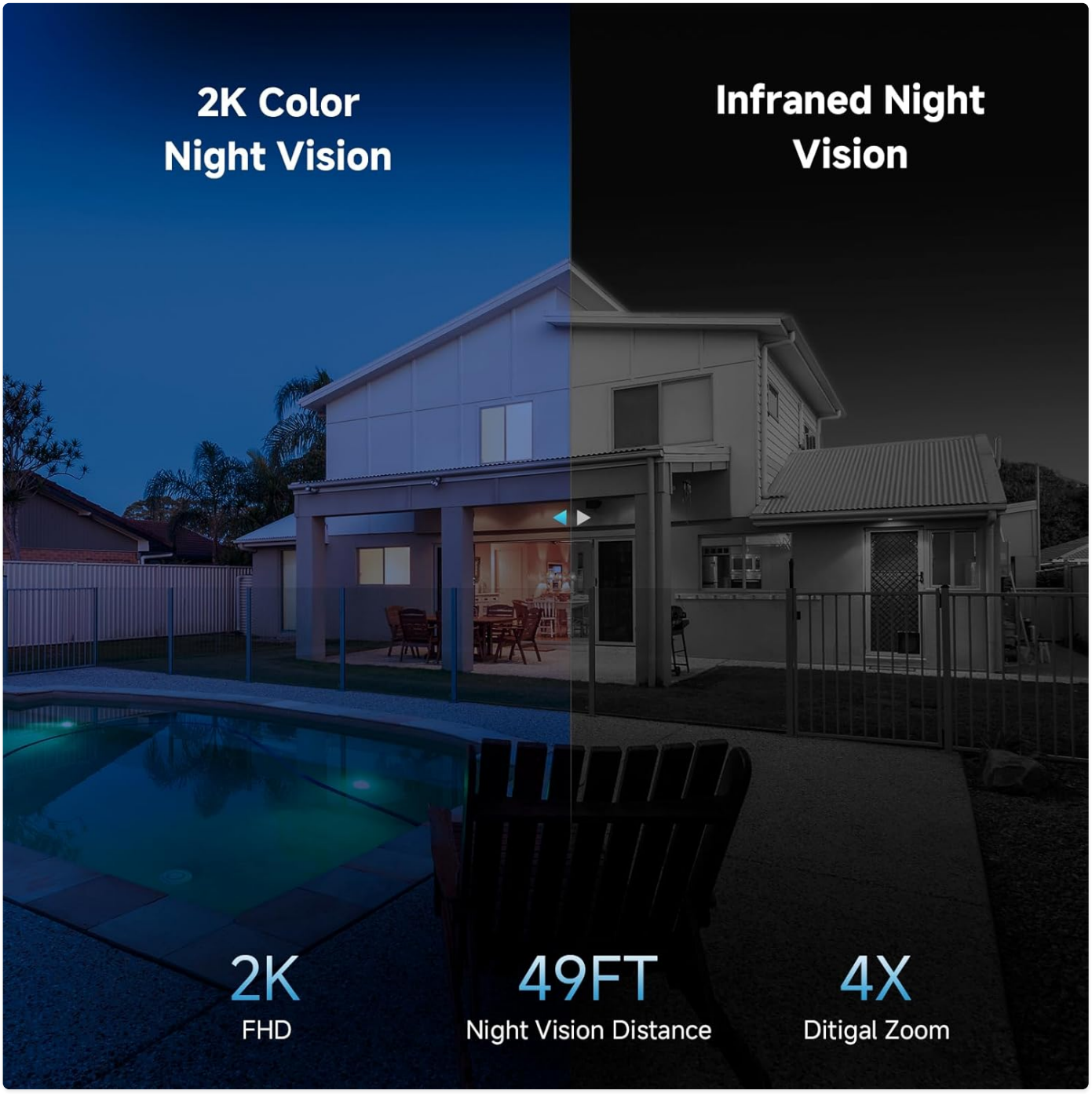


Image: Comparison of 2K color night vision and infrared night vision.

4.4 Two-Way Audio

The integrated microphone and speaker enable two-way communication. You can listen to what's happening around the camera and speak through the camera using the Ubox app. This feature is useful for communicating with visitors or deterring unwanted guests.



Image: Two-way audio communication via the camera.

4.5 Motion Detection and Alarms

The camera utilizes a sensitive PIR motion sensor for intelligent human detection, reducing false alarms. When motion is detected, you will receive instant push notifications via the Ubox app. The camera also offers three alarm modes:

- **Audio Warning:** Emits an audible alarm.
- **Spotlights:** Activates bright spotlights to deter intruders.
- **App Push Notifications:** Sends alerts directly to your smartphone.



Image: Motion detection and alarm features in action.

4.6 Flexible Storage Options

The camera supports two storage methods for your recorded footage:

- **Micro SD Card:** An integrated SD card slot supports up to 128GB (card not included). This provides local storage for your recordings.
- **Cloud Storage:** Optional cloud storage is available, offering a 30-day free trial. Cloud storage allows you to access your footage from anywhere and provides an additional layer of security for your data.

5. Maintenance

The Oculview camera is designed for minimal maintenance due to its durable construction and solar power system.

5.1 Weather Resistance

The camera is built with upgraded IP65-rated material, ensuring its durability against various weather conditions, including heavy rain, snow, and extreme temperatures ranging from -4°F to 122°F (-20°C to 50°C). This robust design ensures continuous operation regardless of the elements.



Image: All-weather resistance of the Oculview camera.

5.2 Cleaning

Periodically wipe the camera lens and solar panel with a soft, damp cloth to remove dust and debris. This ensures clear image quality and efficient solar charging. Do not use harsh chemicals or abrasive materials.

5.3 Battery Health

While the solar panel maintains the battery, ensure the solar panel is positioned to receive adequate sunlight. If the camera is in a shaded area for extended periods, occasional manual charging may be necessary to maintain optimal battery health.

6. Troubleshooting

If you encounter issues with your Oculview camera, please refer to the following common problems and solutions:

6.1 Camera Not Connecting to Wi-Fi

- **Check Wi-Fi Band:** Ensure your router is broadcasting a 2.4 GHz Wi-Fi signal. The camera does not support 5 GHz Wi-Fi.
- **Signal Strength:** Verify that the camera is within range of your Wi-Fi router and has a strong signal. Relocate the camera or use a Wi-Fi extender if necessary.
- **Router Settings:** Check your router's settings for any MAC address filtering or firewall rules that might be blocking the camera.
- **Reset Camera:** If issues persist, try resetting the camera (refer to the Ubox app or camera's physical buttons for reset instructions).

6.2 Poor Image Quality or Night Vision

- **Clean Lens:** Ensure the camera lens is clean and free from dirt, dust, or condensation.
- **Lighting Conditions:** For color night vision, ensure the spotlight is not obstructed. For IR night vision, ensure there are no reflective surfaces close to the camera that could cause glare.
- **App Settings:** Check the image quality settings within the Ubox app.

6.3 Motion Detection Issues (Lag or Missed Events)

- **Sensitivity Settings:** Adjust the motion detection sensitivity in the Ubox app. Higher sensitivity may detect more, but also increase false alarms.
- **Placement:** Ensure the camera is positioned correctly to capture the desired area. Avoid placing it where constant movement (e.g., tree branches, busy street) might trigger false alarms.
- **Recording Duration:** Verify the recording duration settings in the app. If set too short, important action might be missed after the initial trigger.

6.4 Battery Not Charging or Draining Quickly

- **Solar Panel Exposure:** Ensure the solar panel receives direct sunlight for several hours daily. Clear any obstructions (leaves, dirt) from the panel surface.
- **Panel Connection:** Check that the solar panel cable is securely connected to the camera.
- **Activity Level:** Frequent motion detection and live view streaming will consume more battery power. Adjust settings to optimize battery life.
- **Temperature:** Extreme cold or heat can affect battery performance.

If these steps do not resolve your issue, please contact Oculview customer support for further assistance.

7. Product Specifications

Feature	Specification
Model Number	DL201
Brand	Oculview
Color	White

Feature	Specification
Video Recording Resolution	2K
Pan/Tilt Range	355° Pan, 100° Tilt
Night Vision Range	Up to 49 feet
Wireless Connectivity	Wi-Fi 2.4 GHz only
Power Source	Solar Powered (with rechargeable Lithium-ion battery)
Battery Included	Yes (1 Lithium-ion)
Special Features	2K, Two-Way Audio, Motion Detector, PTZ Technology, Night Vision
Storage Options	Micro SD Card (up to 128GB, not included), Optional Cloud Storage
Weather Resistance	IP65
Operating Temperature	-4°F to 122°F (-20°C to 50°C)
Dimensions (L x W x H)	12.7 x 12.7 x 13.16 cm (approx. 5 x 5 x 5.2 inches)
Weight	1.55 kg (approx. 3.4 lbs)

8. Warranty & Support

8.1 Return Policy

This product is typically eligible for a 30-day return policy, allowing for a refund or replacement. Please refer to your purchase platform's specific return guidelines for detailed information.

8.2 Customer Support

For any technical assistance, warranty claims, or further inquiries, please contact Oculview customer support through the contact information provided on your purchase receipt or the official Oculview website. When contacting support, please have your product model number (DL201) and purchase details ready.

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