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VORGUT K8016-B4-Q-L2-W6-SQ01-2

VORGUT K8016-B4-Q-L2-W6-SQ01-2 Solar Outdoor Security Camera System User Manual

Model: K8016-B4-Q-L2-W6-SQ01-2

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your VORGUT Solar Outdoor Security Camera System. Please read this manual thoroughly before using the product to ensure proper function and safety. This system features dual-lens cameras, a 12-inch monitor with a built-in 500GB HDD, and supports both 2.4GHz and 5GHz Wi-Fi for comprehensive outdoor surveillance.

2. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1 x 12-inch Monitor (with built-in 500GB HDD)
- 2 x Solar Security Cameras
- 2 x 5W Solar Panels
- Mounting Screws and Anchors
- Power Adapter for Monitor
- USB-C Cable (for camera power/charging)
- User Manual



Image 2.1: Overview of the VORGUT Solar Outdoor Security Camera System components, including two cameras, two solar panels, and a monitor with a 500GB HDD icon.

3. Safety Information

- Ensure the power adapter is compatible with your local power supply.
- Do not expose the product to extreme temperatures, humidity, or corrosive environments.
- Avoid direct exposure of the solar panel to fire or high heat.
- Do not attempt to disassemble or modify the product. This will void the warranty.

- Keep the product out of reach of children.
- For outdoor installation, ensure the camera and solar panel are securely mounted to prevent falling.
- Regularly clean the solar panel to ensure optimal charging efficiency.

4. Setup

4.1 Initial System Connection (Plug & Play)

The solar cameras are pre-paired with the NVR monitor at the factory, allowing for a simple plug-and-play setup.

1. Connect the power adapter to the 12-inch NVR monitor and plug it into an electrical outlet.
2. Ensure the solar cameras are charged (via solar panel or USB-C cable) and powered on.
3. The cameras will automatically connect to the NVR monitor, and live video feeds will appear on the screen.



Image 4.1: Diagram showing the simple plug-and-play setup where the monitor and cameras connect wirelessly.

4.2 Camera Installation

The cameras are designed for outdoor use with IP66 weather resistance and can be mounted on walls or ceilings.

1. **Choose a Location:** Select a location that provides the desired surveillance coverage and receives ample sunlight for the solar panel. Ensure the camera is within Wi-Fi range of the NVR monitor.
2. **Mount the Camera:** Use the provided screws and anchors to securely mount the camera to a wall or ceiling.
3. **Mount the Solar Panel:** Attach the solar panel in a position that maximizes sun exposure throughout the day. The solar panel comes with a 3-meter cable for flexible placement.
4. **Connect Solar Panel:** Connect the solar panel cable to the camera's charging port.



Image 4.2: Illustration of a solar panel connected to a camera, providing continuous power.



Image 4.3: Examples of wall and ceiling mounting for the solar security camera.

4.3 Mobile App Connection (EseeCloud)

To access remote monitoring and control features, download the EseeCloud app.

1. Download the "EseeCloud" app from the App Store (iOS) or Play Store (Android).
2. Open the app and register an account.
3. Scan the QR code displayed on the NVR monitor to add the device to your app.
4. Once connected, you can view live feeds, control camera movement, and receive notifications on your smartphone.

For more information on the EseeCloud app, visit:EseeCloud Download Page



Image 4.4: Screenshot of the EseeCloud app interface showing remote viewing and control options.

5. Operating the System

5.1 Dual-Lens and Dual-Screen Monitoring

Each camera features a dual-lens design: a fixed lens for a wide overview and a PTZ (Pan-Tilt-Zoom) lens for detailed, adjustable views. The NVR monitor supports a dual-screen display, allowing you to view both camera feeds simultaneously.

- The fixed lens provides a static, wide-angle view of a designated area.
- The PTZ lens can be rotated 350° horizontally and 90° vertically via the NVR monitor or mobile app to cover specific points of interest.



Image 5.1: Illustration of the dual imaging function, showing one camera providing two distinct views on the monitor.

5.2 Recording Modes

The system offers three primary recording modes, stored on the built-in 500GB HDD:

- **24-hour Continuous Recording:** Records continuously, overwriting older footage when the HDD is full.
- **Motion Recording:** Records only when motion is detected, conserving storage space. You can customize recording duration (e.g., 5s, 10s, 20s, 30s).

- **Energy-Saving Recording:** An optimized mode that records efficiently, often triggered by motion, to extend battery life for solar-powered cameras.



Image 5.2: Visual representation of the three recording modes: 24-hour continuous, motion-triggered, and energy-saving.

5.3 Smart Detection and Alerts

The system utilizes smart detection technology to identify human figures, reducing false alarms from pets or environmental factors.

- **Human Detection:** When a human figure is detected, the system sends an alert notification to your smartphone via the EseeCloud app.
- **Deterrence:** The camera can activate a siren and/or flashing lights to deter intruders.
- **Notifications:** Receive app notifications, NVR buzzer alerts, and email notifications upon detection.



Image 5.3: Depiction of smart detection triggering an alert on a smartphone and activating light/sound deterrence.

5.4 Smart Night Vision

The camera offers advanced night vision capabilities:

- **Infrared Night Vision:** Provides clear black-and-white video in low-light conditions.
- **Smart Full-Color Night Vision:** When a human figure is detected in low light, the camera automatically switches from infrared to full-color mode, capturing detailed color footage.



Image 5.4: Comparison of infrared (black and white) and smart full-color night vision modes.

5.5 Two-Way Audio

The built-in microphone and speaker allow for two-way audio communication through the camera. This feature is useful for speaking to visitors or deterring unwanted guests.



Image 5.5: Illustration of two-way audio functionality, showing a person speaking through the camera to a delivery person.

6. Maintenance

- **Cleaning:** Regularly wipe the camera lens and solar panel with a soft, damp cloth to ensure clear images and efficient charging. Do not use harsh chemicals.
- **Firmware Updates:** Check the EseeCloud app or VORGUT's official website periodically for firmware updates to ensure optimal performance and security.
- **Battery Health:** While solar-powered, ensure the camera's internal battery maintains a charge. If the camera is in a shaded area for extended periods, consider temporarily charging it via the USB-C cable.
- **HDD Management:** The 500GB HDD will automatically overwrite old footage. If you need to save specific recordings, back them up to an external device or cloud storage (if available).

7. Troubleshooting

7.1 No Video Feed on Monitor

- Ensure the NVR monitor is powered on and connected to an outlet.
- Verify that the cameras are powered on and their batteries are charged.
- Check the wireless connection between the cameras and the NVR. If necessary, re-pair the cameras (refer to the NVR's on-screen menu for pairing instructions).
- Ensure cameras are within effective wireless range of the NVR.

7.2 Poor Image Quality

- Clean the camera lens to remove any dirt or smudges.
- Ensure there are no obstructions blocking the camera's view.
- Check the camera's resolution settings on the NVR or app.

7.3 Solar Panel Not Charging Effectively

- Ensure the solar panel is clean and free of debris.
- Reposition the solar panel to maximize direct sunlight exposure.
- Verify the connection cable between the solar panel and the camera is secure.

7.4 App Connection Issues

- Ensure your smartphone has a stable internet connection.
- Verify the NVR monitor is connected to your home Wi-Fi network (if remote access is desired). The system supports 2.4GHz and 5GHz Wi-Fi.
- Restart the EseeCloud app and try connecting again.
- Ensure the app is updated to the latest version.

8. Specifications

Feature	Detail
Model Number	K8016-B4-Q-L2-W6-SQ01-2
Video Capture Resolution	1296p (3 Megapixels per lens)
Connectivity Technology	Wireless (Wi-Fi 2.4GHz/5GHz)
Special Features	Dual Lens, Dual Screen, 500GB HDD, Solar Powered, PTZ (Pan/Tilt), Motion Detection, Full-Color Night Vision, Two-Way Audio, IP66 Waterproof
Indoor/Outdoor Use	Outdoor
Mounting Type	Wall & Ceiling
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	20 x 10 x 17 cm

Item Weight	4.06 Kilograms
Included Components	1x 12-inch Monitor (500GB HDD built-in), 2x 5W Solar Panels, 2x Security Cameras
Battery Type	Lithium (10000mAh per camera)

9. Warranty and Support

All VORGUT products come with an industry-leading**5-year quality warranty**. If any product issues arise within this 5-year period, a free replacement will be provided.

For any questions or concerns before or during use, please do not hesitate to contact our customer support team. We offer 24/7/365 prompt support.

Contact Information:
Email: support@vorgut.online

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How can I set a home position for the VORGUT K8016-B4-Q-L2-W6-SQ01-2 camera so it automatically returns to a standard position after tracking an object?

To ensure your VORGUT K8016-B4-Q-L2-W6-SQ01-2 camera returns to its original position after tracking an object, you need to configure the Watch Position (often referred to as the Home Position) within the system settings. While...

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