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> [VORGUT Outdoor Solar Security Camera System Wireless with 10" 10CH Monitor NVR, 2PCS 4MP PTZ Battery Powered Surveillance Camera for Home Security,Human Detection,2-Way Talk,Built-in 500G HDD Black User Manual](#)

VORGUT K8512-DQ03-2

VORGUT Outdoor Solar Security Camera System User Manual

Model: K8512-DQ03-2

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your VORGUT Outdoor Solar Security Camera System. This system features a 10-inch 10-channel Monitor NVR with a built-in 500GB HDD and two 4MP PTZ battery-powered solar surveillance cameras, designed for reliable home security with human detection and two-way talk capabilities.

PACKAGE CONTENTS

Before beginning installation, please verify that all components are present:

- 1x 10-inch Monitor NVR (with pre-installed 500GB HDD)
- 2x 4MP PTZ Solar-Powered Cameras
- 2x Solar Panels (with 3-meter cables)
- 1x Power Adapter for NVR
- Mounting Screws and Anchors
- 1x User Manual (this document)



Figure 1: Overview of the VORGUT Solar Security Camera System components, including the NVR monitor, two solar-powered cameras, and the 500GB HDD.

SETUP

1. Initial NVR Setup

1. **Connect Power:** Plug the NVR's power adapter into an electrical outlet. The NVR will power on automatically.
2. **Monitor Display:** The integrated 10-inch monitor will display the system's boot screen.

3. **Network Connection (Optional):** For remote viewing and app functionality, connect the NVR to your 2.4GHz Wi-Fi network. Navigate to the NVR's system settings to configure Wi-Fi.

2. Camera Installation and Pairing

The solar cameras and NVR are pre-paired at the factory for plug-and-play setup. Ensure the NVR is powered on before installing cameras.

1. **Charge Cameras:** Fully charge the camera's built-in battery using a USB-C cable before initial installation, especially if solar charging conditions are not optimal immediately.
2. **Select Mounting Location:** Choose a location for each camera that provides the desired viewing angle and receives ample direct sunlight for the solar panel. Ensure the location is within Wi-Fi range of the NVR.
3. **Mount Cameras:** Use the provided screws and anchors to securely mount the cameras. The cameras are IP66 waterproof, suitable for outdoor use.
4. **Position Solar Panel:** Connect the solar panel to the camera using the 3-meter cable. Adjust the solar panel's angle to maximize sun exposure throughout the day.

Easy Setup



Please ensure your NVR is connected to 2.4G Wi-Fi

DIY Your System



Up to **10** Cameras
can be connected



Figure 2: Easy setup process, demonstrating the plug-and-play nature of the system and the ability to expand up to 10 cameras.



Figure 3: The solar panel provides continuous power to the camera, ensuring 365-day operation without external wiring.

OPERATING INSTRUCTIONS

1. Live View and Playback

- **NVR Monitor:** View live feeds from all connected cameras directly on the 10-inch NVR monitor. Use the NVR's controls (mouse/buttons) to navigate between camera views and access playback.
- **Mobile App:** Download the dedicated mobile application (e.g., EseeCloud) from your app store. Follow the in-app instructions to add your NVR system for remote viewing and control.
- **Playback:** Access recorded footage stored on the 500GB HDD. The system supports 24/7 continuous recording and motion-triggered recording. Use the NVR interface or mobile app to select dates and times for playback.

2. PTZ Control (Pan/Tilt/Zoom)

The 4MP PTZ cameras offer 355° horizontal rotation and 90° vertical tilt.

- **App Control:** Use the mobile application to remotely control the camera's pan and tilt movements.
- **NVR Control:** Some NVR interfaces may offer direct PTZ control; refer to the NVR's on-screen menu.



Figure 4: The camera provides 360-degree coverage with 355° horizontal and 90° vertical movement, viewable on the mobile app.

3. Human Motion Detection & Alerts

The system utilizes a sensitive PIR sensor to accurately detect human movement, minimizing false alarms.

- **Configuration:** Access the NVR settings or mobile app to configure motion detection zones and sensitivity.
- **Notifications:** Upon detection, the system can send instant notifications to your mobile device.
- **Recording:** Motion-triggered events are recorded and stored on the 500GB HDD.



Figure 5: Smart PIR Human Detection provides real-time alerts, reducing false alarms.

4. Two-Way Talk

The cameras feature built-in microphones and speakers for two-way audio communication.

- **Activation:** Use the mobile app to initiate two-way talk with individuals near the camera.

Remote View & Two-Way Talk



Figure 6: Remote View and Two-Way Talk feature allows communication through the camera.

5. Night Vision

The cameras support both color night vision (with spotlight) and infrared (IR) night vision.

- **Automatic Switching:** The system automatically switches between day and night modes based on ambient light.
- **Color Night Vision:** When enabled, the camera's spotlight illuminates the area to provide full-color video in low-light conditions.
- **IR Night Vision:** Provides clear black-and-white video in complete darkness.



Figure 7: Comparison of Spotlight Color Night Vision and IR Night Vision capabilities.

MAINTENANCE

- **Solar Panel Cleaning:** Regularly clean the surface of the solar panels to ensure maximum sunlight absorption. Dust, dirt, or debris can reduce charging efficiency.
- **Camera Lens Cleaning:** Gently wipe the camera lens with a soft, lint-free cloth to maintain clear image quality. Avoid abrasive materials.
- **Firmware Updates:** Check for available firmware updates through the mobile app or NVR system settings. Keeping firmware updated ensures optimal performance and security.
- **HDD Management:** The 500GB HDD will automatically overwrite older footage when full. If you need to preserve specific recordings, back them up to an external device.
- **Battery Health:** While solar-powered, extreme weather conditions or prolonged periods without sunlight may affect battery levels. Ensure the solar panel is optimally positioned.

IP66 Waterproof for Outdoor Use

Ensuring reliable monitoring even in harsh weather



Figure 8: The IP66 waterproof design ensures reliable operation in various weather conditions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on NVR monitor.	NVR not powered on; power adapter issue.	Ensure NVR power adapter is securely connected to both the NVR and a working electrical outlet. Check power indicator light on NVR.
Camera not connecting to NVR.	Camera out of range; low battery; pairing issue.	Move camera closer to NVR. Fully charge camera battery. If still not connected, re-pair the camera with the NVR (refer to NVR manual for specific pairing steps).
Poor image quality.	Dirty lens; low light; network interference.	Clean camera lens. Ensure adequate lighting for color night vision or switch to IR mode. Reduce Wi-Fi interference by moving NVR or camera.

Problem	Possible Cause	Solution
Solar panel not charging camera.	Insufficient sunlight; dirty panel; panel angle.	Ensure solar panel receives direct sunlight for several hours daily. Clean the panel surface. Adjust panel angle for optimal sun exposure.
False motion alerts.	High sensitivity; environmental factors (trees, animals).	Adjust motion detection sensitivity settings in the NVR or mobile app. Define specific detection zones to exclude irrelevant areas.
Cannot access system remotely via app.	NVR not connected to internet; incorrect app configuration.	Verify NVR is connected to your 2.4GHz Wi-Fi network. Ensure correct device ID/QR code is used for app setup. Check router settings for any firewall restrictions.

SPECIFICATIONS

Feature	Detail
Model Number	K8512-DQ03-2
NVR Monitor Size	10 inches
NVR Channels Supported	Up to 10 cameras
Storage Capacity	500 GB HDD (pre-installed)
Camera Resolution	4MP (2560 x 1440P)
Camera PTZ Coverage	355° Horizontal, 90° Vertical
Connectivity	Wireless (2.4GHz Wi-Fi)
Power Source	Battery Powered / Solar Powered / Corded Electric (for NVR)
Night Vision	Color Night Vision, IR Night Vision (up to 10 meters)
Detection	PIR Human Motion Detection
Audio	Two-Way Talk
Weather Resistance	IP66 Waterproof
Operating System	Linux
Frame Rate	15 FPS
Item Dimensions (NVR)	9 x 12 x 10 inches
Item Weight (System)	7.09 pounds

WARRANTY AND SUPPORT

VORGUT is committed to providing high-quality products and excellent customer service. Your security system is backed by our commitment to customer satisfaction.

- **After-Sale Support:** For any questions or issues regarding your product, please contact VORGUT customer

support.

- **Lifetime Technical Assistance:** VORGUT offers lifetime technical assistance for this product.
- **Contact Information:** Refer to the product packaging or the official VORGUT website for the most current contact details for support.

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