

VORGUT VRUS-K8512-B3-Q-XG-DQ03-2

VORGUT VRUS-K8512-B3-Q-XG-DQ03-2 Solar Powered Security Camera System User Manual

Model: VRUS-K8512-B3-Q-XG-DQ03-2

Brand: VORGUT

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VORGUT Solar Powered Security Camera System. Please read this manual thoroughly before using the product to ensure proper functionality and safety. This system includes a 10-inch monitor NVR and two 2K wireless cameras, designed for comprehensive outdoor home security.

2. WHAT'S IN THE BOX

Carefully unpack the contents and verify that all items are present and in good condition. If any items are missing or damaged, please contact customer support.

- 1x 10-inch Monitor NVR (with built-in 500GB HDD)
- 2x Dual Lens Solar Cameras
- 1x USB Mouse
- 1x User Manual
- Mounting Screws and Anchors
- Power Adapters for NVR and Cameras
- 3-meter Extension Cables for Solar Panels



Image: Overview of the VORGUT Solar Powered Security Camera System, including the NVR monitor, two solar cameras, and a 500GB hard drive.

3. SETUP INSTRUCTIONS

3.1 Initial Setup

1. **Power On NVR:** Connect the NVR to a power outlet using the provided adapter. The system will boot up automatically.
2. **Connect Mouse:** Plug the USB mouse into the NVR's USB port for navigation.
3. **Network Connection:** Connect the NVR to your router via an Ethernet cable or configure Wi-Fi settings

through the NVR interface. Ensure your NVR is connected to a 2.4G or 5G Wi-Fi network.

4. **Camera Pairing:** The cameras are pre-paired with the NVR. Once powered on, they should automatically connect. If not, refer to the 'Troubleshooting' section for manual pairing instructions.

3.2 Camera Installation

The cameras are designed for outdoor use and offer flexible mounting options.

- **Mounting Location:** Choose a location that provides optimal surveillance coverage and receives ample sunlight for the solar panel. Ensure the camera is within Wi-Fi range of the NVR.
- **Mounting Type:** The cameras support both wall mount and ceiling mount installations. Use the provided screws and anchors to secure the camera bracket.
- **Solar Panel Positioning:** Connect the solar panel to the camera using the 3-meter extension cable. Position the solar panel to maximize direct sunlight exposure throughout the day. The panel is adjustable for optimal angle.



IP66 Waterproof for Outdoor Use

Ensuring reliable monitoring even in harsh weather

Image: Diagram illustrating wall mount and ceiling mount options for the camera, along with the solar panel installation process.

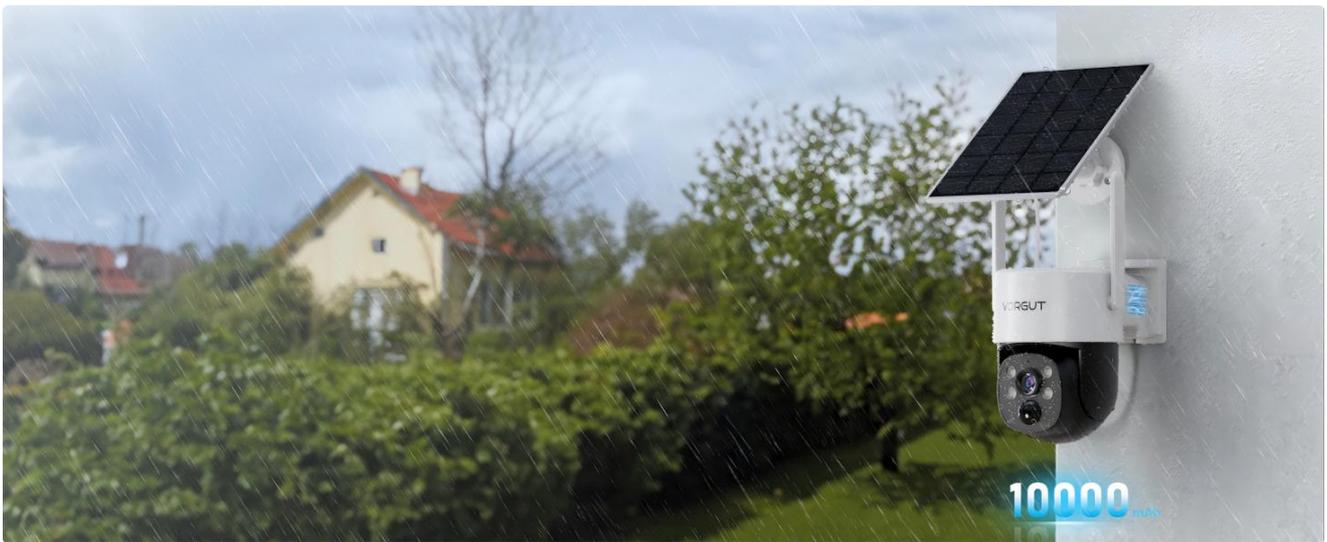


Image: A VORGUT camera with an attached solar panel, highlighting the 3-meter extension cable and 360-degree adjustable solar panel for continuous power.

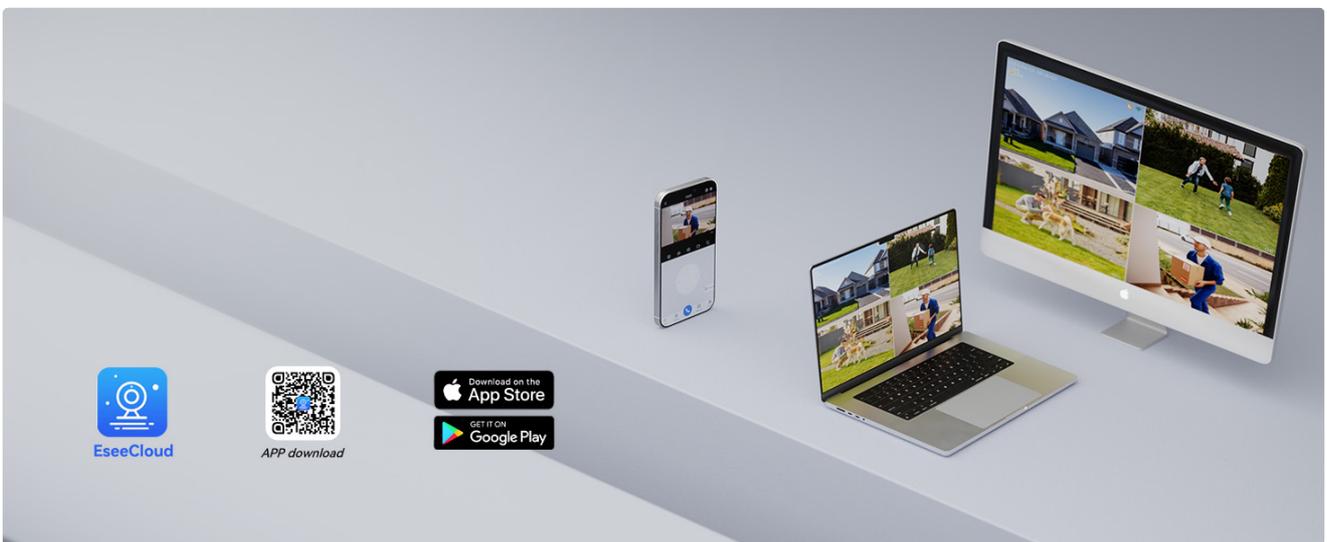


Image: Three power options for the VORGUT camera: solar power with a 3-meter cable, built-in battery, and continuous power via USB-C cable for indoor use.

3.3 App Download and Connection

To access your camera system remotely, download the EseeCloud app.

1. **Download App:** Search for "EseeCloud" in the App Store (iOS) or Google Play Store (Android). Alternatively, scan the QR code provided in the NVR interface or visit <http://www.dvr163.com/download/indexm.php>.
2. **Register Account:** Follow the in-app instructions to create a new account.
3. **Add Device:** In the app, select 'Add Device' and scan the QR code displayed on your NVR monitor or manually enter the device ID.
4. **Remote Access:** Once added, you can view live feeds, playback recordings, and manage settings from your smartphone or tablet.



Image: Displaying the EseeCloud app logo, a QR code for download, and icons for the App Store and Google Play, indicating mobile access to the system.

4. OPERATING INSTRUCTIONS

4.1 Live View and Playback

Access live camera feeds and review recorded footage directly on the NVR monitor or through the EseeCloud app.

- **NVR Monitor:** Use the USB mouse to navigate the NVR interface. Select a camera channel to view its live feed. Access the playback menu to review recordings stored on the 500GB hard drive.
- **EseeCloud App:** Open the app and select the desired camera to view its live feed. Use the timeline feature for recorded video playback.

4.2 PTZ Control (Pan-Tilt-Zoom)

The VORGUT solar cameras feature Pan-Tilt functionality for adjustable surveillance coverage.

- **Pan:** Rotate the camera horizontally up to 355 degrees.
- **Tilt:** Adjust the camera vertically up to 75 degrees.
- **Control:** Use the PTZ controls within the EseeCloud app to adjust the camera's viewing angle *Note: Auto-tracking is not supported; positioning is manual.*

360° Coverage for Your Home



Image: A VORGUT camera mounted on a house, illustrating its 355-degree horizontal and 90-degree vertical rotation capabilities for comprehensive coverage.



Image: A VORGUT camera demonstrating its 355-degree pan and 90-degree tilt functionality, covering a wide area around a large building.

4.3 Motion Detection & Smart Alerts

The system utilizes advanced PIR human detection to minimize false alarms and provide timely notifications.

- **PIR Human Detection:** The camera detects human shapes, reducing alerts from animals or inanimate objects.
- **Customizable Detection Areas:** Set specific areas within the camera's view for motion detection.
- **Alerts:** Receive instant push notifications on your phone via the EseeCloud app when motion is detected. The system can also trigger a siren and alarm light.

Easy Setup



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

DIY Your System



Up to **10** Cameras
can be connected



Image: A VORGUT camera monitoring a driveway at night, showing detection areas and a smartphone notification for human detection, along with siren and alarm light icons.



Image: A VORGUT camera demonstrating its ability to differentiate between human and animal movement, showing a 'Human' detection checkmark and an 'Animal' cross mark.



Pan 355° Tilt 90°
Cover a Wide Area

Image: A VORGUT camera detecting an intruder at night, with icons for spotlight, NVR buzzer, email alert, app push notification, and siren, indicating various alert mechanisms.

4.4 Two-Way Audio

Communicate with visitors or deter intruders using the built-in microphone and speaker.

- **Activation:** Access the two-way audio feature through the EseeCloud app's live view interface.
- **Usage:** Press and hold the microphone icon to speak, and release to listen.

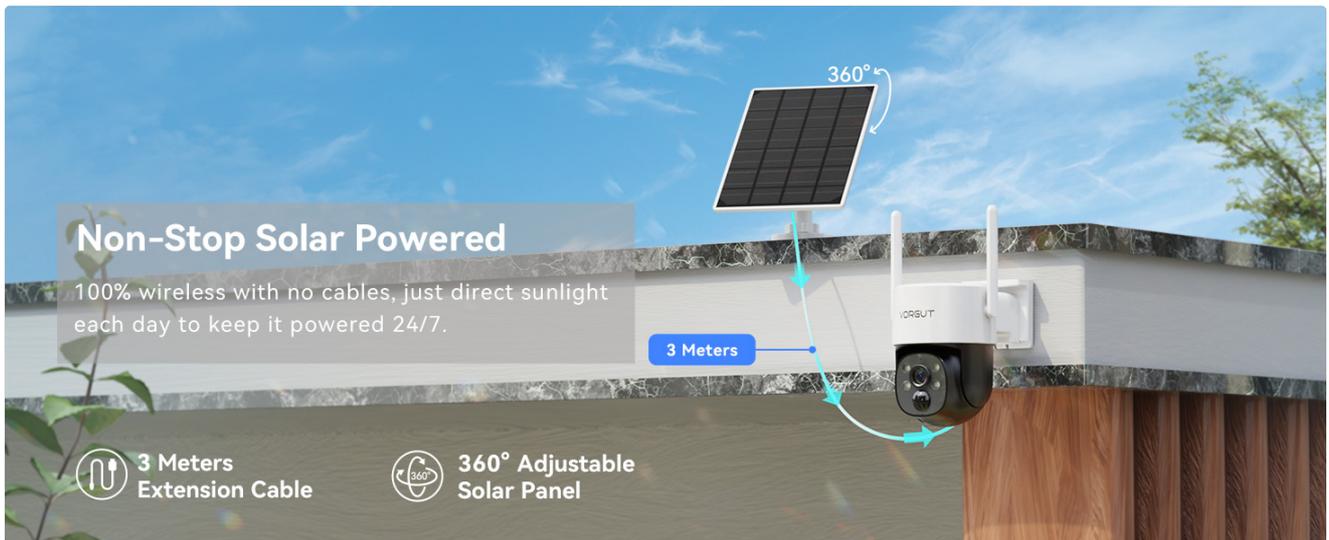


Image: A VORGUT camera mounted on a house, showing a delivery person and a speech bubble indicating two-way communication: "Hello, Your package" and "OK! Please wait for a minute".

4.5 Night Vision

The VORGUT cameras provide clear, full-color night vision even in low-light conditions.

- **True Color Night Vision:** Equipped with F1.0 super aperture, 1/2.8" premium CMOS, and an optimized ISP module, the cameras capture full-color images at night.
- **Enhanced Low-Light Performance:** The high-sensitivity low-light sensor captures significantly more light than standard lenses, ensuring clear recording in areas without streetlights.

TRUE-COLOR



Real Full Color Night Vision



F1.0 Super Aperture



1/2.8" Premium CMOS



Optimized ISP Module

Image: Close-up of the VORGUT camera lens, highlighting its "TRUE-COLOR Real Full Color Night Vision" capabilities with F1.0 Super Aperture, 1/2.8" Premium CMOS, and Optimized ISP Module.

2K 3MP Color-Pura Solar Camera

Clear, full-color night vision even in low-light conditions

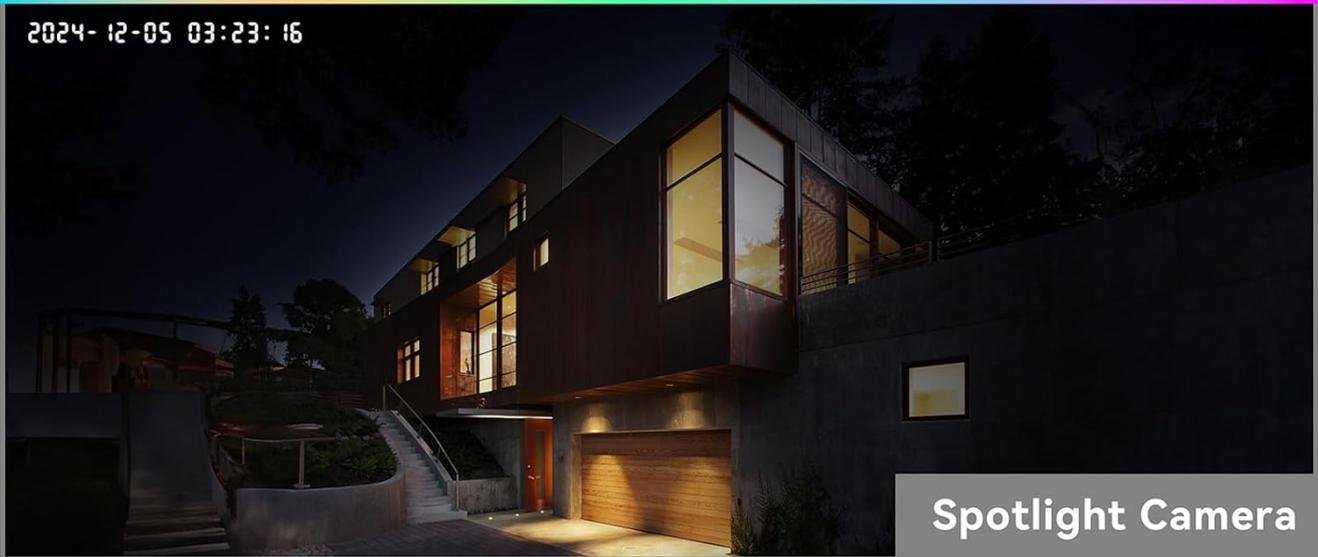


Image: Comparison of night vision footage from a VORGUT ColorPura camera (top, clear full-color) and a standard spotlight camera (bottom, black and white with limited detail) in low-light conditions.

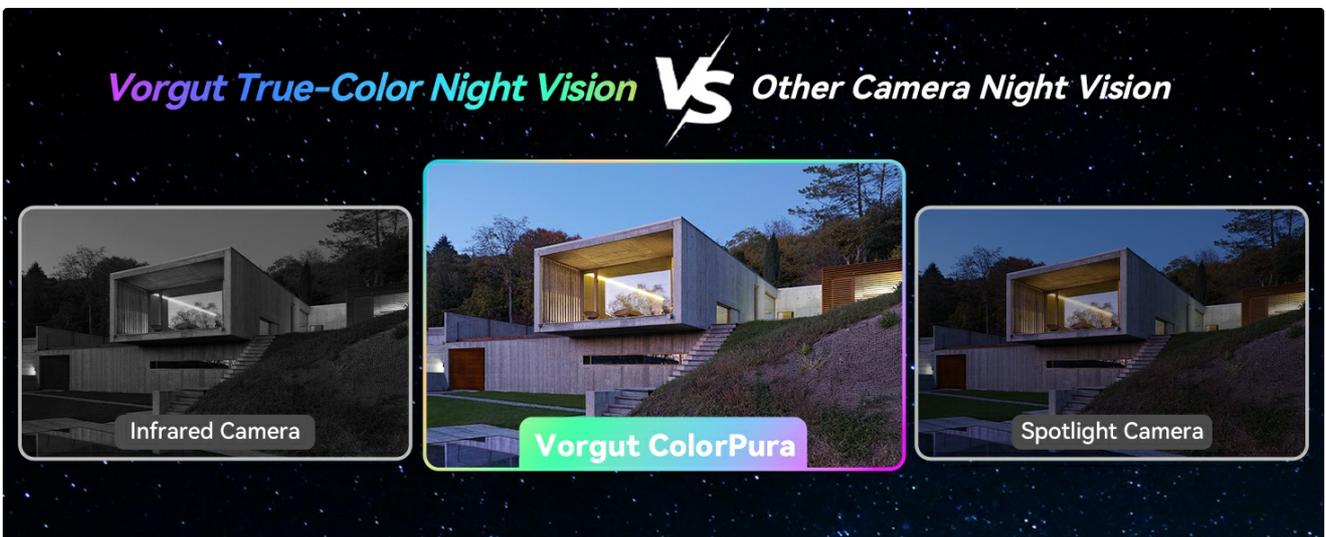


Image: A three-panel comparison showing night vision quality: Infrared Camera (monochrome), Vorgut ColorPura (full-color), and Spotlight Camera (limited color/brightness).

Enhanced Low-Light Performance

4× Brighter Than Standard F2.0 Lens

Equipped with a high-sensitivity low-light sensor, it captures about four times more light than an F2.0 lens, enabling clear color recording even in areas without streetlights. This ensures accurate night monitoring and greatly enhances security.



Image: A comparison showing enhanced low-light performance of the VORGUT camera (top, clear color) versus a standard F2.0 lens (bottom, darker, less detail) in a street scene at night.

Your browser does not support the video tag.

Video: This video demonstrates the VORGUT Solar ColorPura Camera Kit's performance throughout a full day, showcasing its clear video quality from morning to evening and night, highlighting its color night vision capabilities.

5. MAINTENANCE

- **Cleaning:** Regularly clean the camera lens and solar panel with a soft, damp cloth to ensure optimal performance. Avoid abrasive cleaners.
- **Battery Care:** While solar-powered, ensure the solar panel receives adequate sunlight. If the camera is installed in a consistently shaded area, occasional manual charging via USB-C may be required to maintain battery health.
- **Firmware Updates:** Check the EseeCloud app periodically for firmware updates to ensure your system has the latest features and security enhancements.

Remote View & Two-Way Talk



Image: A VORGUT camera with its solar panel mounted outdoors during rain, illustrating its IP66 waterproof rating for reliable monitoring in harsh weather conditions.

6. TROUBLESHOOTING

• No Video Feed:

- Check camera power: Ensure solar panel is clean and receiving sunlight, or manually charge the camera.
- Check Wi-Fi connection: Verify both NVR and cameras are connected to a stable 2.4G/5G Wi-Fi network.
- Re-pair camera: If a camera loses connection, access the NVR settings to re-pair it.

• False Alarms:

- Adjust PIR sensitivity in the app settings.
- Define specific detection zones to exclude areas with frequent irrelevant motion (e.g., moving trees).

• Poor Night Vision:

- Clean the camera lens.
- Ensure no obstructions are blocking the camera's view or the built-in lights.

- **App Connectivity Issues:**

- Ensure your smartphone has a stable internet connection.
- Restart the EseeCloud app.
- Restart the NVR and camera.

7. SPECIFICATIONS

Model Name	VRUS-K8512-B3-Q-XG-DQ03-2
Indoor/Outdoor Usage	Outdoor
Video Capture Resolution	2K (3MP)
Connectivity Technology	Wireless (2.4GHz/5GHz Wi-Fi)
Power Source	Solar Powered, Built-in Battery, USB-C (optional)
Night Vision Range	30 Meters
Low Light Technology	Starlight (True Color Night Vision)
PTZ Control	Pan 355°, Tilt 75° (Manual)
Human Detection	PIR Human Detection
Weatherproof Rating	IP66
NVR Monitor Size	10-inch IPS HD Display (non-touch)
NVR Storage	Built-in 500GB HDD (Expandable up to 6TB)
Number of Channels	10 (Supports up to 10 cameras)
Control Method	App (EseeCloud), USB Mouse

8. WARRANTY INFORMATION

VORGUT products are covered by a limited warranty against defects in materials and workmanship. Please refer to the product packaging or the official VORGUT website for specific warranty terms and conditions. Keep your purchase receipt as proof of purchase for warranty claims.

9. SUPPORT

For technical assistance, troubleshooting, or customer service inquiries, please contact VORGUT support through the following channels:

- **Email:** Refer to the contact information provided on the VORGUT official website or your purchase documentation.
- **Online Support:** Visit the VORGUT brand store on Amazon or the official VORGUT website for FAQs and

support resources.