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## VORGUT 4C-24B3-500

# VORGUT 4C-24B3-500 Wired CCTV Security Camera System User Manual

Model: **4C-24B3-500** | Brand: **VORGUT**

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your VORGUT 4C-24B3-500 Wired CCTV Security Camera System. This system includes a 4-channel AHD DVR and four 1080P weatherproof bullet cameras, designed for reliable 24/7 surveillance of your property.

Please read this manual thoroughly before installation and use to ensure proper setup and functionality. Keep this manual for future reference.

## 2. PACKAGE CONTENTS

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Verify that all items listed below are included in your package:

- 1x AHD DVR (Digital Video Recorder)
- 4x 1080P AHD Bullet Cameras
- 1x 500GB Hard Drive (Pre-installed in DVR)
- 2x DC12V/2A Power Adapters (for DVR and cameras)
- 4x 60ft BNC Cables
- 1x USB Mouse
- 1x User Manual
- 1x Screw Pack (for camera mounting)
- 1x 1 to 4 Power Splitter Cable

## Packing List



Image 2.1: Package Contents. This image displays the 4CH DVR, four AHD cameras, 500G HDD, power adapters, 60ft BNC cables, USB mouse, user manual, screw pack, and 1 to 4 power splitter.

## 3. PRODUCT OVERVIEW

### 3.1 Key Features

- **1080P HD Video:** Provides clear and detailed surveillance footage.
- **4-Channel DVR:** Supports up to four cameras for comprehensive coverage.
- **Pre-installed 500GB HDD:** Enables 24/7 continuous recording without monthly fees.
- **Infrared Night Vision:** Automatic IR-LED activation for clear black-and-white footage in low-light conditions.
- **Smart Motion Detection:** Customizable motion zones and sensitivity to reduce false alarms and send instant alerts.
- **IP66 Weatherproof Cameras:** Durable housing designed to withstand outdoor elements (rain, snow, extreme temperatures).
- **Remote Access:** Monitor your property from anywhere via a free mobile app and email alerts.
- **Compact DVR Design:** Smaller footprint for easier installation in various spaces.

### 3.2 Component Identification

Size: 68 × 68 × 160 mm



Size: 195 × 195 × 46 mm

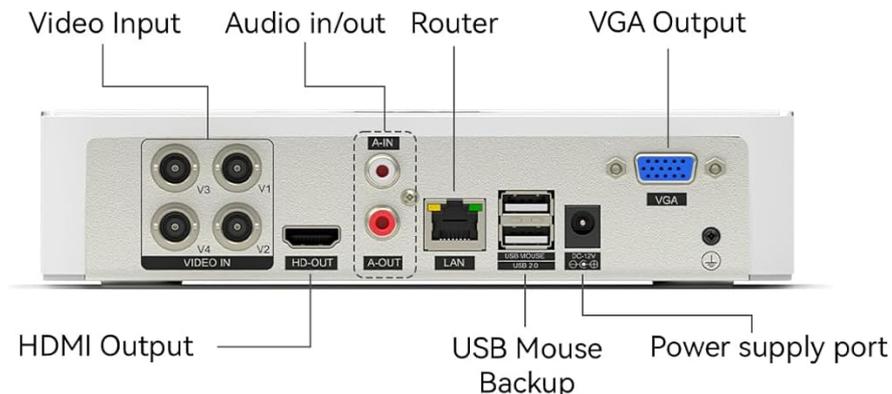


Image 3.1: Camera and DVR Component Identification. The image highlights the camera's IP66 housing, high-definition lens, and light sensor, along with its dimensions (68 x 68 x 160 mm). The DVR's rear panel shows video input (BNC), audio in/out, LAN, USB ports, VGA output, HDMI output, and power supply port, with dimensions (195 x 195 x 46 mm).

## 4. SETUP GUIDE

### 4.1 System Wiring

Follow these steps to connect your security camera system:

1. Connect each camera to the DVR using the provided 60ft BNC cables. Ensure secure connections.
2. Connect the 1 to 4 power splitter cable to the camera power adapters, then connect each camera to the splitter.
3. Connect the DVR to a monitor or TV using an HDMI or VGA cable.
4. Connect the USB mouse to the DVR for navigation.
5. Connect the DVR to your router using an Ethernet cable for remote access features.
6. Plug in the power adapters for the DVR and cameras to a power outlet.

# Smart Motion Detection

Real-time Alerts, No More False Alarms



Image 4.1: System Wiring Diagram. This image shows how to connect the cameras to the DVR, the DVR to a monitor, and all components to power outlets for easy installation.

## 4.2 Camera Mounting

The bullet cameras can be mounted on walls or ceilings. Choose a location that provides optimal viewing angles and is within reach of the BNC cables.

1. Position the camera mount at the desired location.
2. Mark the screw holes using the mount as a template.
3. Drill pilot holes if necessary.
4. Secure the camera mount to the surface using the provided screws.
5. Adjust the camera angle for optimal coverage and tighten the locking screws.

## Easy Mounting – Wall or Ceiling Supported



Image 4.2: Camera Mounting Options. This image illustrates how the cameras can be easily mounted on both walls and ceilings to suit various installation needs.

## 5. OPERATING INSTRUCTIONS

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### 5.1 DVR Functions

Upon powering on, the DVR will boot up and display the camera feeds on the connected monitor. Use the USB mouse to navigate the DVR's interface.

- **Live View:** Displays real-time footage from all connected cameras.
- **Recording Modes:** The DVR supports continuous recording, scheduled recording, and motion-triggered recording. Access settings via the main menu to configure your preferred mode. The pre-installed 500GB HDD allows for 24/7 recording.
- **Playback:** Review recorded footage by selecting the date and time. You can fast-forward, rewind, and pause playback.
- **Backup:** Connect a USB drive to the DVR to back up important video footage.

# Support 24/7 Recording

Pre-installed 500G HDD, No Monthly Fee



Image 5.1: 24/7 Recording Capability. This image illustrates the system's ability to record continuously with the built-in 500GB HDD, ensuring constant surveillance.

## 5.2 Remote Access and Motion Detection

To enable remote monitoring and receive alerts, connect your DVR to the internet via an Ethernet cable and download the designated mobile application (e.g., TSEye).

- **App Setup:** Follow the in-app instructions to add your DVR device. You will typically scan a QR code or manually enter device details.
- **Live Remote View:** Once configured, you can view live camera feeds from your smartphone, tablet, or computer.
- **Motion Detection Alerts:** Configure motion detection settings in the DVR menu. You can customize specific motion zones and adjust sensitivity levels for each camera to minimize false alarms. When motion is detected, the system can send instant push notifications to your mobile app and email alerts.

## IP66 Waterproof ABS Housing for Outdoor Durability



120 °F | 50°C  
Hot Rating



-20 °F | -30 °C  
Cold Rating



Image 5.2: Smart Motion Detection Alerts. This image demonstrates how the system sends real-time alerts via app push notifications and email when motion is detected.

# Real-Time Remote Monitoring

Works with Free App



Image 5.3: Real-Time Remote Monitoring. This image illustrates the ability to monitor camera feeds remotely using a smartphone or laptop via the dedicated app.

## 5.3 Night Vision

The cameras are equipped with infrared (IR) LEDs that automatically activate in low-light conditions, providing clear black-and-white video footage for continuous protection, even in complete darkness.



Image 5.4: Day and Night Vision. This image compares the clear color footage during the day with the sharp black-and-white infrared footage at night.

## 6. MAINTENANCE

- **Cleaning:** Regularly clean the camera lenses with a soft, damp cloth to ensure clear image quality. Do not use harsh chemicals.
- **Cable Inspection:** Periodically check all cables for wear, damage, or loose connections. Secure any loose connections.
- **DVR Placement:** Ensure the DVR is placed in a well-ventilated area to prevent overheating. Keep it away from direct sunlight and moisture.
- **Software Updates:** Check the manufacturer's website or app for any available firmware updates for the DVR to ensure optimal performance and security.

## 7. TROUBLESHOOTING

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- **No Video Display:**
  - Check power connections for the DVR and cameras.
  - Ensure BNC cables are securely connected to both cameras and DVR.
  - Verify the monitor/TV input source is correctly selected (HDMI/VGA).
- **Poor Image Quality:**
  - Clean camera lenses.
  - Check cable integrity; damaged cables can affect video quality.
  - Ensure cameras are within their effective range and not obstructed.
- **No Remote Access:**
  - Verify the DVR is connected to the internet via Ethernet.
  - Check your router and internet connection.
  - Ensure the mobile app is correctly configured and the device is added.
- **Motion Detection Not Working/Too Many False Alarms:**
  - Adjust motion detection sensitivity in the DVR settings.
  - Refine motion detection zones to exclude areas with constant movement (e.g., trees swaying).
- **DVR Not Recording:**
  - Check if the 500GB HDD is properly installed and recognized by the DVR.
  - Verify recording schedules and settings in the DVR menu.
  - Ensure the HDD is not full; if so, configure overwrite settings or back up and format.

## 8. SPECIFICATIONS

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Feature	Detail
Brand	VORGUT
Model Number	4C-24B3-500
Connectivity Technology	Wired
Video Capture Resolution	1080p

Special Features	Night Vision, Video Recording, Weatherproof
Number of Channels	4
Memory Storage Capacity	500 GB (Pre-installed HDD)
Power Source	Corded Electric
Item Dimensions (L x W x H)	8 x 5 x 9 inches
Recommended Uses	Indoor, Outdoor
Compatible Devices	Digital Video Recorder
Frame Rate	30 fps
Recording Mode	Continuous, Motion Detection
Lens Type	Fixed
Video Input	BNC
Item Weight	7.48 pounds

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official VORGUT website. Keep your purchase receipt as proof of purchase for warranty claims.

If you encounter any issues not covered in this manual, please contact VORGUT customer support for assistance.