

VSTARCAM CB621DR

VSTARCAM 2K Dual Lens Security Camera

MODEL: CB621DR - INSTRUCTION MANUAL

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your VSTARCAM 2K Dual Lens Security Camera (Model CB621DR). This outdoor camera is designed for comprehensive home surveillance, featuring dual lenses for wide coverage, solar power capabilities, and advanced motion detection.

Please read this manual thoroughly before using the product to ensure proper setup and optimal performance.

2. Product Features

- **2-in-1 Dual Lens System:** Combines a fixed 90° wide-angle lens with a 270° rotating lens for 360° coverage and PTZ (Pan-Tilt-Zoom) automatic tracking.
- **HD Color Night Vision:** Utilizes advanced technology to display high-definition details and vivid colors even in low-light or pitch-dark conditions.
- **100% Wireless & Dual-band WiFi:** Operates completely wirelessly with a built-in rechargeable battery and supports both 2.4GHz and 5GHz Wi-Fi networks for stable connectivity.
- **Solar Powered:** Includes a solar panel to continuously recharge the built-in battery, ensuring 365 days of non-stop surveillance without external power.
- **PIR Motion Detection & Auto Tracking:** Features a sensitive Passive Infrared (PIR) motion sensor to accurately detect human movement, reducing false alarms. The camera automatically tracks detected intruders and can activate an alarm sound and spotlight.
- **Custom Detection Areas:** Allows users to define specific areas for motion detection, focusing surveillance on key zones.
- **Two-Way Audio:** Equipped with a built-in microphone and speaker for real-time, two-way communication with visitors or to deter unwanted individuals.
- **Real-time Alerts:** Sends instant push notifications to your mobile phone upon motion detection and can trigger a loud siren or spotlight.
- **Multiple Storage Options:** Supports local storage via an SD card (up to 256GB, not included) and cloud storage with a free 1-day video history and a 30-day free trial for advanced cloud features.
- **IP66 Weatherproof:** Designed to withstand various weather conditions, operating reliably in temperatures ranging from -10°C to 55°C.

3. What's in the Box

Upon opening the package, please verify that all components are present and in good condition:

- VSTARCAM 2K Dual Lens Security Camera Body
- Instruction Manual
- Mounting Screws
- Stand
- Power Cord
- Waterproof Kits
- Solar Panel
- Certificate (if applicable)



Image: Packaging List showing the camera, user manual, solar panel, screws, power cord, waterproof kits, and certificate.

4. Setup Guide

Follow these steps to set up your VSTARCAM security camera:

1. **Charge the Camera:** Before initial use, ensure the camera's built-in battery is fully charged using the provided power cord.

2. **Download the App:** Download the "O-KAM Pro" app from your device's App Store (iOS) or Google Play Store (Android).



Image: Step 1 of setup, showing the O-KAM Pro app icon and download options.

3. **Power On and Reset:** Plug in the camera. Long press the Reset Button for 5 seconds to prepare for connection.
4. **Connect to Wi-Fi:** Open the O-KAM Pro app. Click the "+" icon on the top right corner to add a new device. Follow the in-app prompts to scan the QR code on the camera body. Configure the 2.4GHz or 5GHz Wi-Fi connection as instructed by the app. Ensure your Wi-Fi password is correct.

Dual-band WiFi Connection

Compatible with both 2.4G & 5G WiFi, it ensures a fast and more stable network connection



Image: Dual-band WiFi Connection, illustrating compatibility with 2.4G and 5G networks.

5. **Mounting the Camera:** Choose a suitable outdoor location for installation. The camera can be mounted on a wall, ceiling, or pole. Ensure the solar panel receives adequate sunlight throughout the day for continuous charging. Use the provided mounting screws and stand.



Image: Solar & Battery Powered camera mounted on a building, highlighting its self-sustaining power.

5. Operating Instructions

Once set up, you can control and monitor your camera using the O-KAM Pro app:

- **Live View:** Open the app to view real-time footage from your camera. The dual-lens system allows for simultaneous monitoring of two areas.
- **Pan and Tilt Control:** Use the app to remotely rotate the tracking lens 270° horizontally (pan) and 90° vertically (tilt) to cover different angles of your property.

Dual Lens, Dual Views

Featuring with fixed lens and pan-tilt lens, it enables to monitor two areas simultaneously

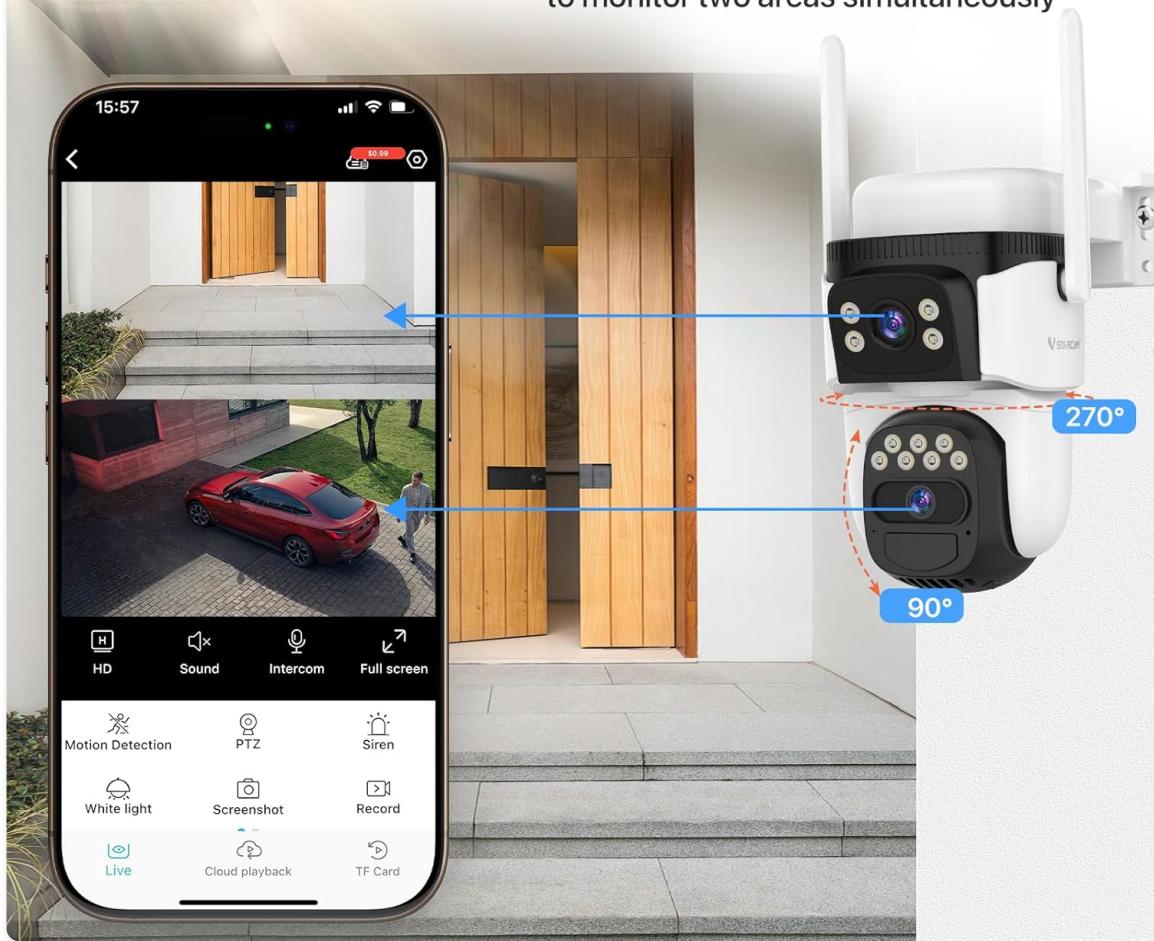


Image: Dual Lens, Dual Views feature, showing a fixed wide-angle view and a pan-tilt view on a smartphone.

- **Two-Way Audio:** Tap the microphone icon in the app to speak through the camera's speaker, and listen to audio from the camera's microphone.

Color Night Vision

See clear and color pictures as the daytime even in the dark night



Image: Two-Way Audio in action, showing communication between a person via the camera and someone outdoors.

- **Motion Detection and Alerts:** When motion is detected, the camera will send a real-time push notification to your phone. You can configure the camera to activate a spotlight, loud siren, or both to deter intruders.

Smart PIR Motion Detection



Image: Smart PIR Motion Detection, showing an intruder being detected and the camera's response options.

- **Night Vision Modes:** The camera automatically switches to night vision in low light. You can choose between full-color night vision or infrared (black and white) night vision through the app settings.

Dual-band WiFi Connection

Compatible with both 2.4G & 5G WiFi, it ensures a fast and more stable network connection



Image: Color Night Vision, demonstrating clear and colorful images even in darkness compared to infrared.

- **Recording and Playback:** Recordings are saved to the installed SD card or to the cloud storage. Access past footage through the app's playback function.
- **Multi-User Sharing:** Share camera access with family members or trusted individuals through the app.
- **Multi-Camera View:** If you have multiple VSTARCAM cameras, the app allows you to view up to four cameras simultaneously on a single screen.

6. Maintenance

To ensure the longevity and optimal performance of your VSTARCAM camera, follow these maintenance guidelines:

- **Regular Cleaning:** Periodically clean the camera lenses and the solar panel with a soft, damp cloth to remove dust, dirt, or debris that may obstruct vision or reduce charging efficiency. Do not use harsh chemicals.
- **Check Connections:** Ensure all physical connections (if any, like the solar panel cable) are secure and free from damage.
- **Software Updates:** Regularly check the O-KAM Pro app for firmware updates for your camera. Keeping the firmware updated ensures the latest features, security patches, and performance improvements.

- **Battery Health:** While solar-powered, prolonged periods of low sunlight may affect battery levels. If the battery consistently drains, consider repositioning the solar panel for better sun exposure.
- **Weather Protection:** Although IP66 weatherproof, extreme weather conditions (e.g., severe hail, prolonged heavy snow accumulation) may still impact performance. Ensure the camera is securely mounted to withstand strong winds.



Image: IP66 Weatherproof rating, demonstrating the camera's ability to operate in temperatures from -10°C to 55°C, rain, and snow.

7. Troubleshooting

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

- **Camera Offline:**
 - Check Wi-Fi connection: Ensure your router is working and the camera is within Wi-Fi range.
 - Verify power: Confirm the camera battery is charged and the solar panel is receiving sunlight.
 - Restart: Try restarting the camera by turning it off and on, or by pressing the reset button briefly.
- **Cannot Connect to Wi-Fi:**

- Ensure you are connecting to a 2.4GHz or 5GHz network as supported.
- Double-check the Wi-Fi password.
- Move the camera closer to the router during initial setup.
- If scanning the QR code is difficult, try in a less bright environment or adjust screen brightness.

- **Frequent False Alarms:**

- Adjust PIR motion detection sensitivity in the app settings.
- Define custom detection zones to exclude areas with frequent non-human movement (e.g., trees swaying, passing cars).

- **Poor Night Vision Quality:**

- Clean the camera lens to remove any smudges or dirt.
- Ensure there are no obstructions blocking the infrared lights or spotlight.

- **Battery Drains Quickly:**

- Verify the solar panel is clean and positioned to receive maximum direct sunlight throughout the day.
- High activity areas with frequent motion detection and recording will consume more power. Adjust settings if necessary.

- **Two-Way Audio Issues:**

- Check the volume settings on your phone and in the app.
- Ensure there is no physical obstruction covering the microphone or speaker on the camera.

If the issue persists, please contact VSTARCAM customer support for further assistance.

8. Specifications

Feature	Detail
Model Name	CB621DR
Indoor/Outdoor Usage	Outdoor
Power Source	Solar Powered, Battery Powered
Connectivity Technology	Wireless (Wi-Fi)
Connectivity Protocol	Wi-Fi (2.4GHz/5GHz)
Video Capture Resolution	1296p (2K)
Special Features	Dual Lens, HD Resolution, Night Vision (Color), PIR Human Detection, Solar Powered, Two-Way Audio, Auto Tracking, 360° View
Mounting Type	Wall Mount, Ceiling Mount

International Protection Rating	IP66
Item Dimensions (L x W x H)	6.3 x 4.7 x 7.1 inches
Item Weight	3.27 pounds
Compatible Devices	Smartphone (Android, iOS)

9. Warranty and Support

For warranty information and technical support, please contact VSTARCAM directly. Refer to the contact details provided on the product packaging or the official VSTARCAM website.

Keep your purchase receipt as proof of purchase for any warranty claims.

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Related Documents

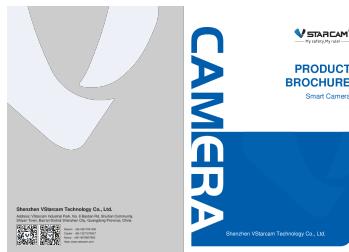
	<p>VStarcam CB6212S/CB621ZS Security Camera Specifications</p> <p>Detailed technical specifications for the VStarcam CB6212S and CB621ZS security cameras, covering features like dual-band WiFi, AI detection, night vision, and storage options.</p>
	<p>VStarcam CS665Q 4MP Dome Security Camera Specifications</p> <p>Detailed technical specifications for the VStarcam CS665Q, a 4MP dome security camera featuring dual antennas, dual light source, advanced compression, and comprehensive alarm detection capabilities.</p>
	<p>VStarcam CB621SR Smart Security Camera Specifications</p> <p>Detailed technical specifications for the VStarcam CB621SR smart security camera, including features like dual-band WiFi, AI detection, two-way audio, and battery power options.</p>



[VSTARCAM C Series Security Camera User Manual - Setup and Configuration Guide](#)

Comprehensive user manual for VSTARcam C series security cameras (C29S, C29, C24S, C24, C17S, C16S). Learn how to download the Eye4 app, register, add cameras via QR code or manual methods, configure Wi-Fi, use cloud storage, and access remote settings.

Documents - VSTARCAM – CB621DR



[VStarcam Product Brochure: Smart Cameras and Surveillance Solutions](#)

This brochure provides an overview of VStarcam's comprehensive range of smart cameras and surveillance solutions, including outdoor, indoor, battery-powered, mini, dual-lens, black light full color, optical zoom, fire detection cameras, and NVRs. It details product features, specifications, and company information.

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