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## Dragon Touch OB20

# Dragon Touch OB20 4G LTE Cellular Security Camera User Manual

Model: OB20

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Dragon Touch OB20 4G LTE Cellular Security Camera. This camera offers 4K resolution, 10x optical zoom, solar power, and dual 4G/WiFi connectivity for comprehensive outdoor surveillance.

## WHAT'S IN THE BOX

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Verify that all components are present in the package:

- OB20 Camera
- Solar Panel
- Iron Wall Bracket
- Solar Panel Bracket
- 4G SIM card (pre-installed or included separately)
- Type-C Charging Cable
- Hexagon Wrench
- Screw Packs (screws and wall anchors)
- Drilling Positioning Stickers
- 64GB MicroSD Card (pre-installed or included separately)
- Instruction Manual (this document)
- Power Adapter
- Stand

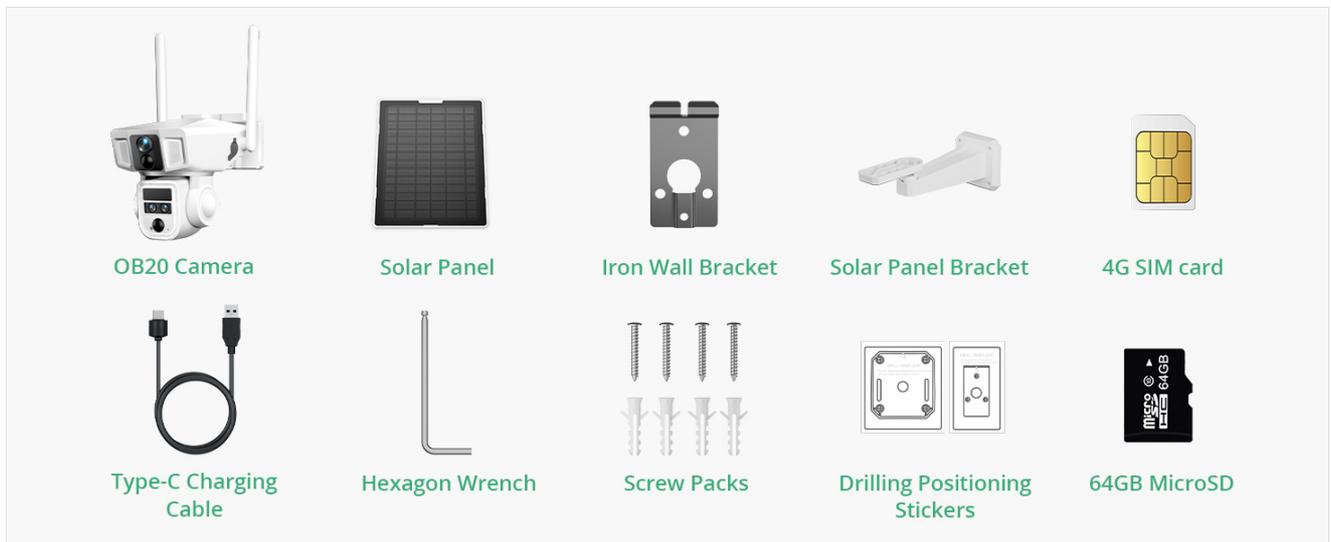


Figure 1: Included Components

## PRODUCT FEATURES

### 4K Resolution with 10x Optical Zoom

The camera features a 4K wide-angle lens for broad coverage and two 10x optical telephoto lenses for detailed long-range viewing. This combination allows for clear identification of objects up to 200 feet away, such as license plates, while maintaining a wide field of view.

# 3 Lens For 360° View

4K Dual Wide-Angle Lens 120°

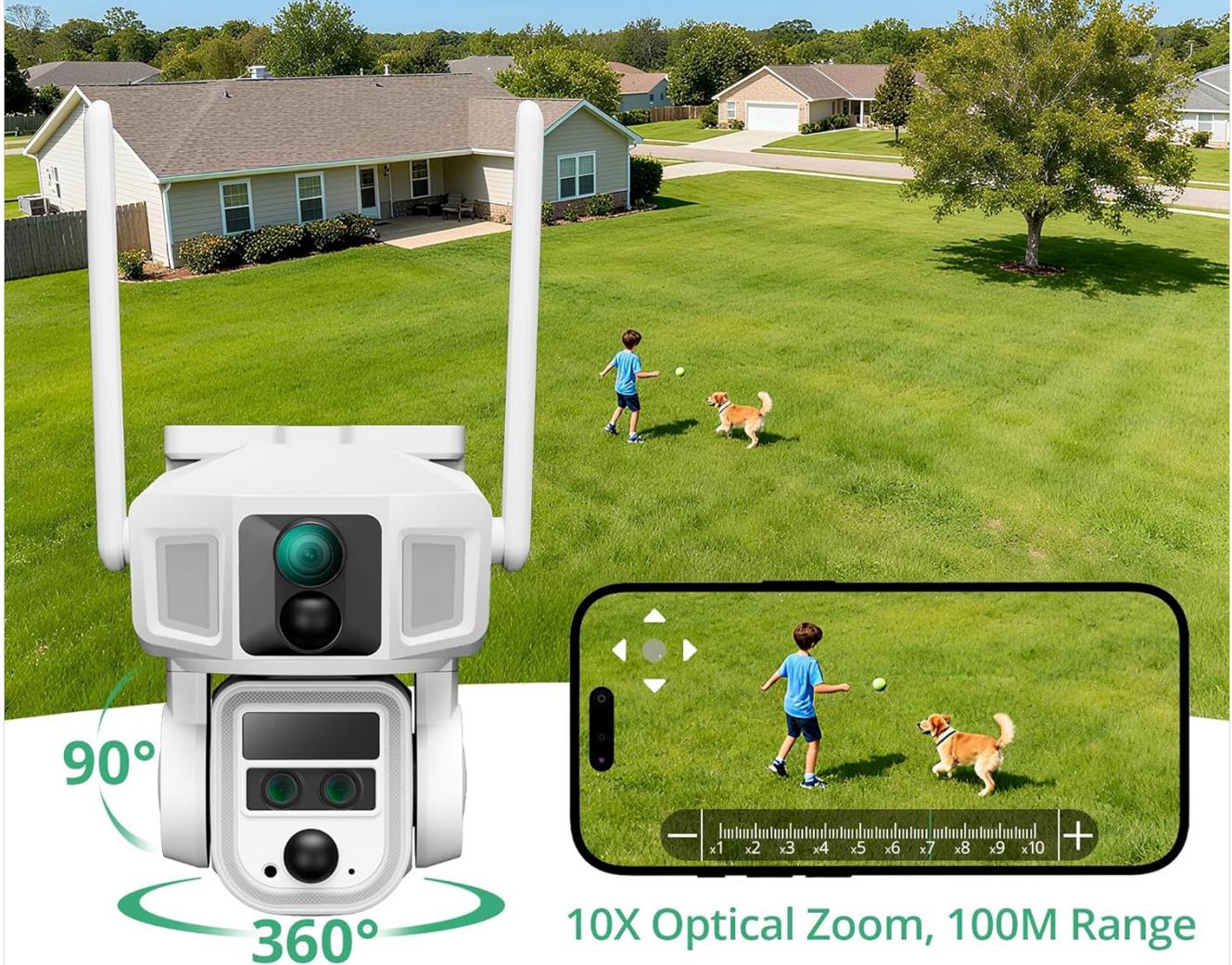


Figure 2: 4K Wide-Angle and 10x Optical Zoom

## Dual 4G LTE and WiFi Connectivity

The OB20 camera supports both 4G LTE (USA ONLY) and 2.4GHz WiFi connectivity. This allows for flexible deployment in various environments, from homes with existing WiFi networks to remote locations without WiFi access, ensuring continuous monitoring.

# 4G or Wi-Fi

One-Click Switch.



Figure 3: 4G LTE and WiFi Dual Connectivity

## Solar Powered with 12000mAh Battery

Equipped with a 9W high-efficiency solar panel and a 12000mAh battery, the camera is designed for continuous, self-sufficient operation. This eliminates the need for frequent manual charging, making it ideal for outdoor installations.

# Larger Battery & Solar Forever Power



Figure 4: Solar Power System

## 360° Pan and Tilt with AI Tracking

The camera offers 355° horizontal pan and 90° vertical tilt capabilities for comprehensive area coverage. Advanced AI detection identifies people and vehicles, enabling automatic tracking and reducing false alarms.



*Figure 5: AI Motion Tracking Capabilities*

### **Color Night Vision and IP66 Weather Resistance**

Equipped with a 200-lumen spotlight and 8 IR lights, the camera provides clear 4K color night vision up to 50 meters. Its IP66 weather-resistant rating ensures reliable operation in various weather conditions, including rain, snow, and dust.

# 4K Color Night Vision

See clear details even at night.



Figure 6: Color Night Vision

# Weather Resistance

## IP66 Waterproof



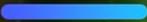
131°F   
-4°F   
Extreme Temperature Function

Figure 7: IP66 Weather Resistance

### Two-Way Audio and Siren Alarm

Communicate with visitors or deter intruders using the integrated two-way audio feature. The camera also includes an AI motion-activated siren alarm for enhanced security.

# AI Motion Activated Alarm

Multi Siren & Real Time Push, warn off the intruder.



Figure 8: Two-Way Audio and Siren Alarm

## Local and Cloud Storage Options

The camera includes a 64GB MicroSD card, expandable up to 128GB, for local storage. Cloud storage options are also available with a 7-day trial after registration.

## Share with Families

Multi-user access enhances real-time monitoring, collaboration, and rapid response, keeping everyone informed and secure



Figure 9: Secure Local Storage

## SETUP

### 1. Initial Charging

Before installation, fully charge the camera using the provided Type-C charging cable and power adapter. This ensures the battery has sufficient power for initial setup and solar charging efficiency.

### 2. SIM Card and MicroSD Card Installation

Locate the SIM card slot and MicroSD card slot on the camera. Insert the provided 4G SIM card (if not pre-installed) and the 64GB MicroSD card into their respective slots. Ensure they are correctly oriented and securely seated.

### 3. App Download and Account Registration

Download the official Dragon Touch security camera application from your smartphone's app store (iOS or Android). Follow the in-app instructions to create an account and register your device. This typically involves scanning a QR code on the camera.

### 4. Mounting the Camera and Solar Panel

Choose a suitable outdoor location for mounting the camera and solar panel. Ensure the solar panel receives direct sunlight for most of the day. Use the provided drilling positioning stickers, screws, and brackets to securely attach the camera and solar panel to a wall or pole. Connect the solar panel cable to the camera.

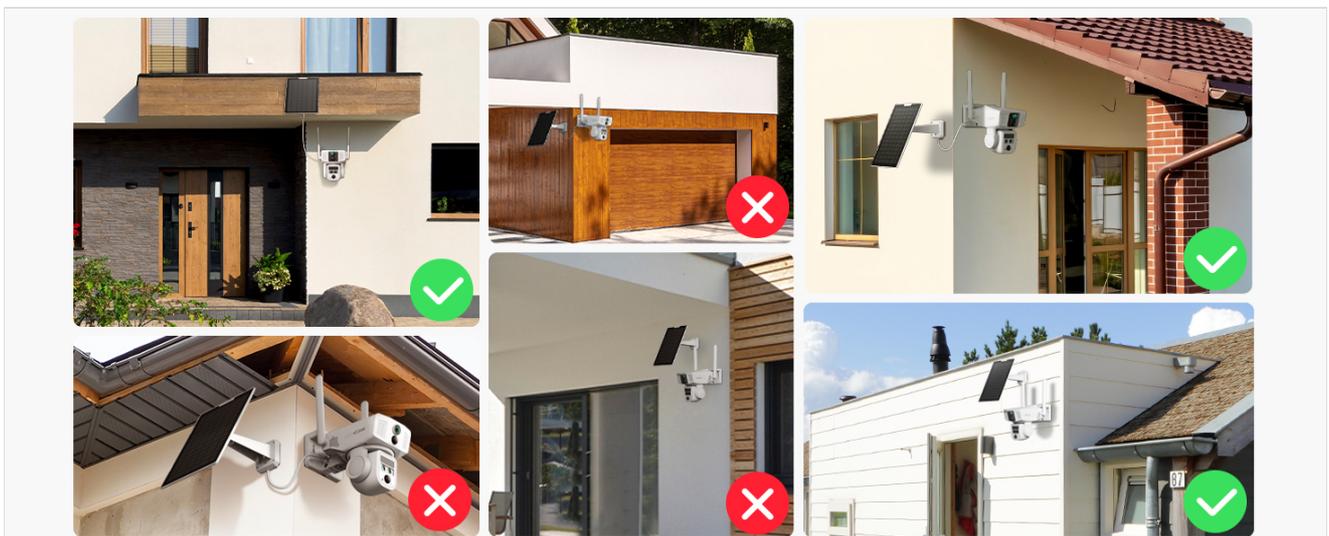


Figure 10: Optimal Solar Panel Placement

The setup process is designed for quick and simple connection.

## Dual connection methods - WiFi + 4G LTE

Supports home WiFi network and 4G LTE SIM card(Included) connection, not restricted by a single network, ensuring stable picture transmission anytime and anywhere.

4G LTE requires an additional subscription.  
Supports 2.4G/WiFi6(No 5G WiFi)



Figure 11: Quick Setup via Mobile App

## OPERATING INSTRUCTIONS

### 1. Live View and Playback

Access the live feed from your camera through the mobile application. Use the app to pan, tilt, and zoom the camera to adjust the viewing angle. Recorded footage can be accessed and played back from the MicroSD card or cloud storage.

### 2. Motion Detection and Alerts

Configure motion detection sensitivity and areas within the app. The camera will send instant alerts to your smartphone upon detecting movement. AI tracking will follow detected subjects (people or vehicles) within the camera's range.

## AI Tracking & Motion Alert

Enhanced AI Tracking seamlessly detects people, vehicles, and movements, sending instant alerts to your smartphone to ensure complete coverage and protection for your property or business.

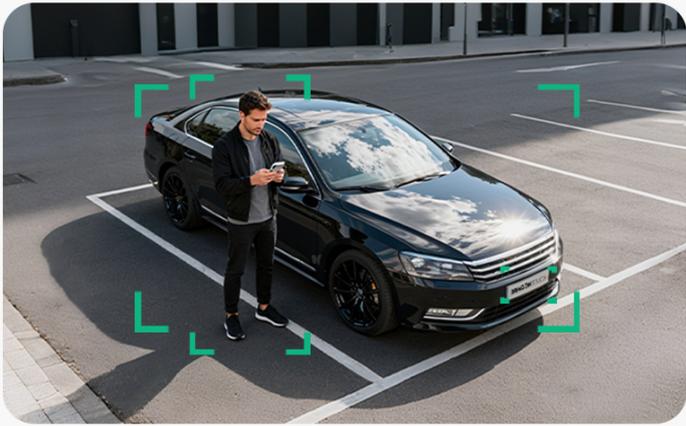


Figure 12: AI Tracking and Motion Alerts

### 3. Two-Way Communication

Utilize the two-way audio function in the app to speak through the camera's speaker and listen through its microphone. This allows for real-time interaction with individuals near the camera.

## 2 Way Audio

You can communicate with visitors in real time without leaving your home, which is smarter and safer.



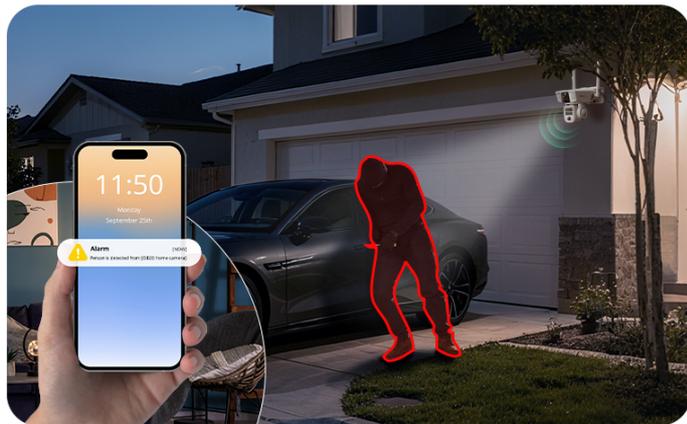
Figure 13: Two-Way Audio Functionality

## 4. Night Vision Modes

The camera supports both infrared (black and white) and color night vision. The 200-lumen spotlight can be activated manually or automatically upon motion detection to enable color night vision and deter unwanted activity. Ensure the sound and light alarm function is enabled in the app for full deterrent capabilities.

## Night Guard with Light and Siren

Built in spotlight and sound to deter intruders and threats.



Note: The sound and light alarm function needs to be turned on.

Figure 14: Night Guard with Light and Siren

## 5. Video on Demand

Request 15-second video clips from the mobile app at any time. Continuous recording is not available; videos are captured upon request or motion detection.

## 6. Sharing Access

The mobile application allows you to share camera access with family members or trusted individuals, enabling multi-user monitoring and collaboration.

## Secure Local Storage

Enjoy peace of mind with a included 64GB SD card (expandable up to 128GB). Save directly without monthly fees, keeping your recordings safe, private, and always accessible.



Figure 15: Share Camera Access with Family

## MAINTENANCE

- **Cleaning:** Regularly wipe the camera lens and solar panel with a soft, damp cloth to remove dust and debris. Avoid abrasive cleaners.
- **Solar Panel Efficiency:** Ensure the solar panel remains free from obstructions (leaves, snow, dirt) to maximize charging efficiency.
- **Battery Health:** While solar-powered, occasional manual charging via the Type-C port may be necessary during prolonged periods of low sunlight or heavy usage.
- **Firmware Updates:** Check the mobile application periodically for available firmware updates to ensure optimal performance and security.

## TROUBLESHOOTING

Problem	Solution
Camera not connecting to network.	Ensure the SIM card has an active data plan (for 4G) or the WiFi signal is strong (for WiFi). Verify correct network credentials in the app. Restart the camera.
Poor video quality.	Check network signal strength. Clean the camera lens. Ensure sufficient lighting for optimal image capture.
Battery not charging.	Ensure the solar panel is clean and positioned to receive direct sunlight. Check the solar panel cable connection to the camera. If necessary, charge manually with the power adapter.
Motion alerts not received.	Verify motion detection settings and alert schedules in the app. Check app notification permissions on your smartphone. Ensure the camera has a stable network connection.
Cannot access recorded footage.	Ensure the MicroSD card is correctly inserted and not full. Check cloud storage subscription status if applicable.

## SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Name	OB20
Video Capture Resolution	4K
Optical Zoom	10x
Connectivity Technology	Wireless (4G LTE, Wi-Fi 2.4GHz)
Power Source	Solar Powered, 12000mAh Battery
Weather Resistance	IP66
Pan/Tilt Range	355° Pan, 90° Tilt
Night Vision	4K Color Night Vision (up to 50m), 8 IR LEDs, 200-lumen spotlight
Storage	64GB MicroSD (included), expandable to 128GB, Cloud Storage option
Audio	2-Way Audio
AI Features	AI Tracking, PIR Motion Detection, People/Vehicle Detection
Dimensions (L x W x H)	12.6 x 6.3 x 3.35 inches
Item Weight	3.31 pounds
Operating Voltage	3.7 Volts
Wattage	10 watts
Frame Rate	30 frames per second
Control Method	App

## WARRANTY AND SUPPORT

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For warranty information, technical support, or service inquiries, please refer to the official Dragon Touch website or contact their customer support directly. Keep your purchase receipt for warranty claims.

Additional protection plans may be available for purchase separately. Please consult the retailer for details on extended warranty options.