

Xega XG06

Xega 4G LTE Security Camera XG06 User Manual

Model: XG06 | Brand: Xega

1. INTRODUCTION

The Xega 4G LTE Security Camera XG06 is an advanced outdoor surveillance solution designed for areas without Wi-Fi access. It features a dual-lens system, solar power for continuous operation, and robust weather resistance. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your camera to ensure optimal performance.



Figure 1.1: Xega 4G LTE Security Camera XG06 with integrated solar panel and 4G connectivity.

2. KEY FEATURES

- **Dual Lens System:** Combines a 6mm telephoto lens and a 2.8mm wide-angle lens for comprehensive coverage, offering both broad and detailed views simultaneously.
- **100% Wireless & 4G LTE Connectivity:** Operates on 4G LTE networks, eliminating the need for Wi-Fi. Ideal for remote locations like gardens, farms, or construction sites. Includes a built-in EIOTCLUB 4G LTE prepaid SIM card with trial data.
- **Non-Stop Solar Powered:** Equipped with a 6W solar panel and a 10400mAh high-capacity rechargeable battery for continuous, uninterrupted operation.
- **Dual Views on One Screen:** Displays both full-view and close-up images from the dual lenses synchronously on the same screen via the mobile application.

- **PIR Detection & Instant Alerts:** Triggers spotlights and sirens upon detecting suspicious motion, sending push/email notifications to your device.
- **Color Night Vision & IR Night Vision:** Provides clear surveillance in low-light conditions with both infrared (IR) and spotlight-enhanced color night vision modes.
- **Two-Way Audio:** Allows for real-time communication through the camera from any location using the built-in speaker and microphone.
- **IP66 Waterproof:** Designed to withstand various weather conditions, ensuring reliable outdoor performance.
- **Flexible Storage Options:** Supports local storage via TF card (up to 128GB, not included) and cloud storage (30-day trial included).

3. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon unboxing.

- Xega 4G LTE Security Camera XG06
- Solar Panel (integrated or separate, depending on model variant)
- Mounting Bracket and Screws
- USB Charging Cable
- User Manual
- EIOTCLUB 4G LTE Prepaid SIM Card (built-in)



4. SETUP GUIDE

4.1 Initial Charging

Before first use, ensure the camera's built-in battery is fully charged. Connect the camera to a power source using the provided USB cable. The solar panel will maintain the charge once installed in an area with sufficient sunlight.



Figure 4.1: The camera is designed for continuous power via its solar panel, ensuring long-term operation.

4.2 SIM Card Activation

The camera comes with a built-in EIOTCLUB 4G LTE prepaid SIM card. This SIM card cannot be replaced. To activate, follow the instructions provided with the SIM card for the initial trial data. A monthly data plan is required for continued 4G cellular coverage after the trial period.



Figure 4.2: The camera includes a pre-installed 300MB SIM card for immediate use.

4.3 App Download and Connection

Download the UBOX app from your smartphone's app store (iOS or Android). Follow the in-app instructions to add your camera. This typically involves scanning a QR code displayed by the camera or manually entering its ID. Ensure your phone's Bluetooth is enabled during the initial pairing process.



Figure 4.3: Connect the camera to the UBOX app by scanning the QR code.

4.4 Mounting Instructions

The camera can be wall-mounted. The package includes a solar panel bracket that supports separate installation of the solar panel and the security camera, allowing for optimal sun exposure for the panel while positioning the camera for the best view. Choose a location that provides clear line of sight and good 4G signal strength.

Solarbetrieben

8-W-Solarpanel und 15600-mAh-Akku mit großer Kapazität



Figure 4.4: Flexible mounting options for the camera and solar panel to optimize sun exposure and camera placement.

5. OPERATING INSTRUCTIONS

5.1 Dual Lens Functionality

The dual lens system provides both a fixed wide-angle view and a pan-tilt-zoom (PTZ) view. The wide-angle lens (2.8mm) captures a broad overview, while the PTZ lens (6mm telephoto) allows for dynamic positioning (355° pan & 100° tilt) and closer inspection of specific areas. Both views are accessible simultaneously within the UBOX app.

Doppelobjektiv, Doppelbildschirm



Figure 5.1: The dual lens system provides both a wide-angle overview and a detailed PTZ view.

5.2 Real-time Screen Linkage

The UBOX app allows for real-time screen linkage, displaying both camera feeds on a single screen. You can tap on the wide-angle view to activate the cooperative function, enabling the PTZ camera to automatically adjust its position to focus on the area of interest.

Your browser does not support the video tag.

Video 5.1: Demonstration of the dual lens linkage and real-time screen display within the UBOX app.

5.3 Night Vision Modes

The camera supports two night vision modes: IR LED Night Vision for clear black and white images in complete darkness, and Spotlight Colorful Night Vision, which activates built-in spotlights to provide full-color video even at night.



Figure 5.2: Choose between traditional IR night vision or vibrant color night vision with activated spotlights.

5.4 Two-Way Audio

Utilize the two-way audio feature to communicate with individuals near the camera. This is useful for greeting visitors, deterring intruders, or interacting with delivery personnel. Access this function directly from the live view in the UBOX app.



Integrierter Zwei-Wege-Audio Lautsprecher und Mikrofon

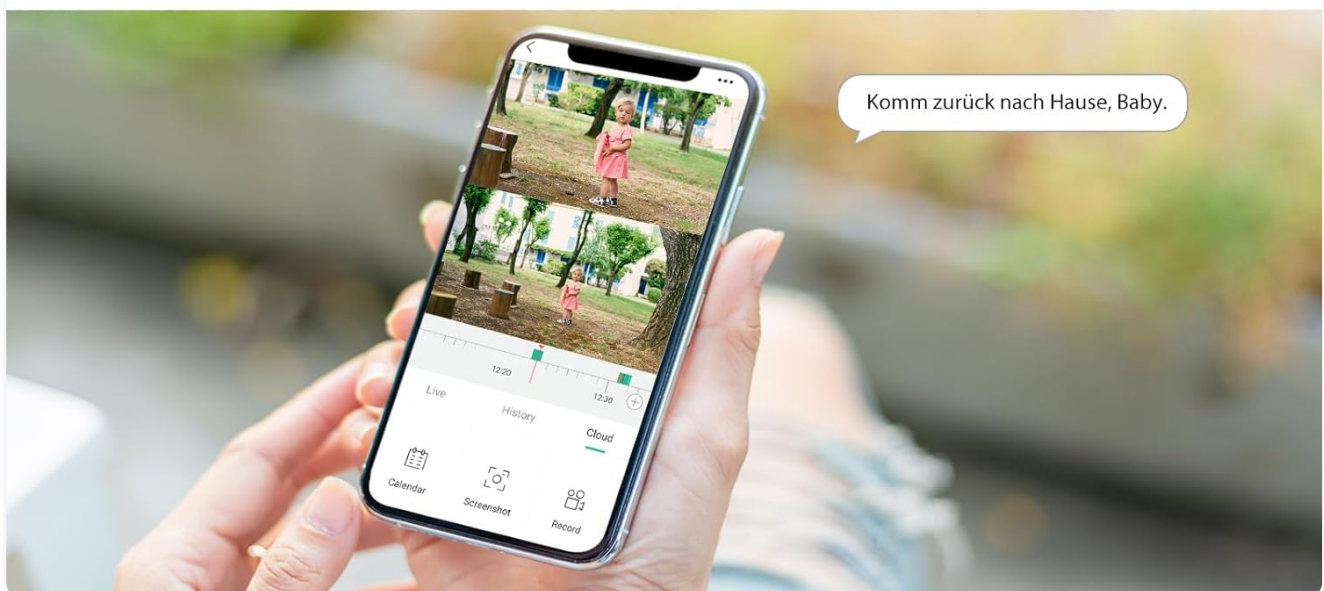


Figure 5.3: Engage in real-time conversations using the camera's two-way audio feature.

5.5 Motion Detection and Alerts

The camera's PIR detection system accurately identifies human figures, reducing false alarms. When motion is detected, the camera can trigger spotlights and sirens, and send instant push notifications or email alerts to your connected device.

Personenerkennung und APP-Push-Benachrichtigung

Es kann so eingestellt werden, dass nur menschliche Figuren erkannt werden, um Fehlauslöser zu reduzieren.

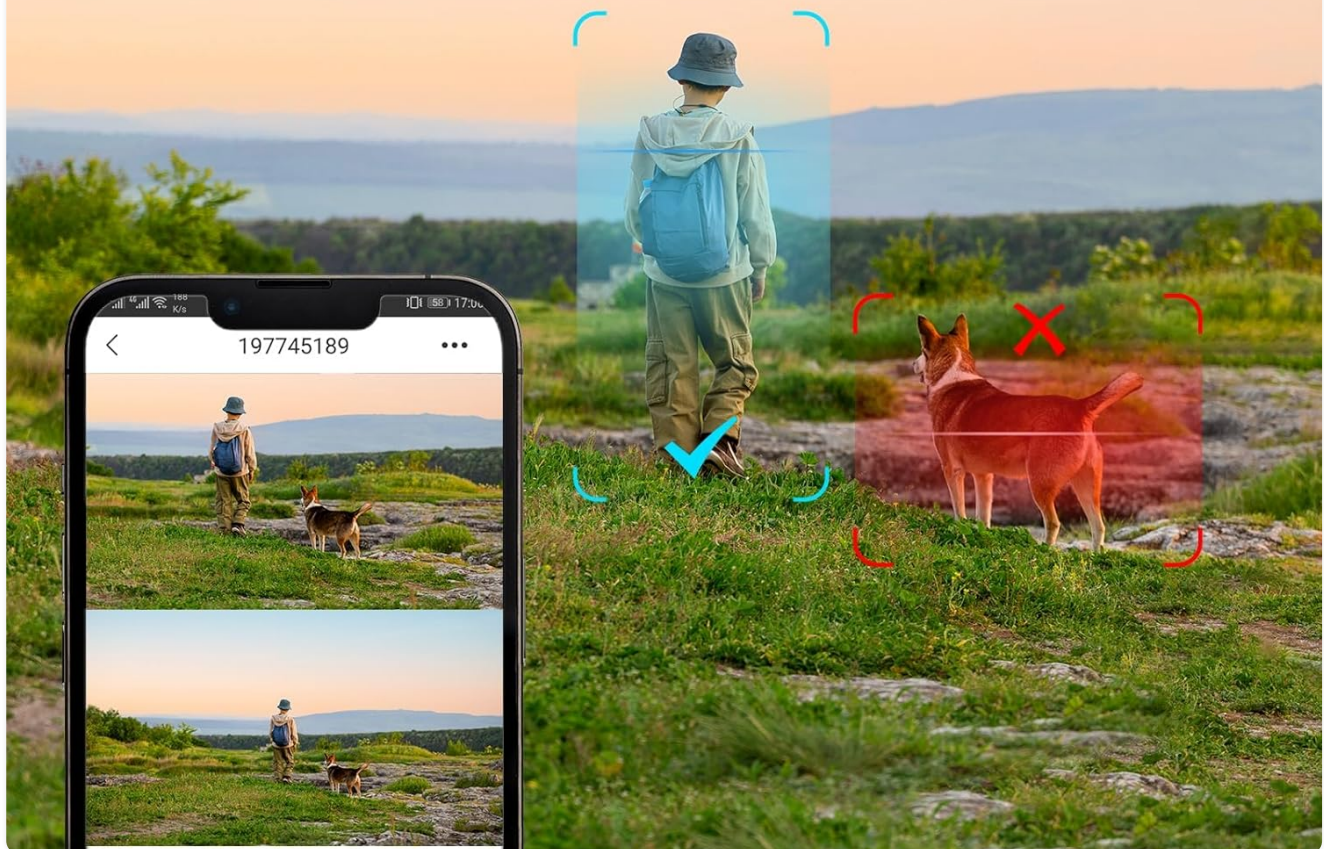


Figure 5.4: Advanced person detection minimizes false alerts from non-human movements.

5.6 Storage Options

Video recordings can be stored locally on a TF (microSD) card (up to 128GB, not included) or securely in the cloud. The UBOX app provides easy access to both storage options for reviewing footage.

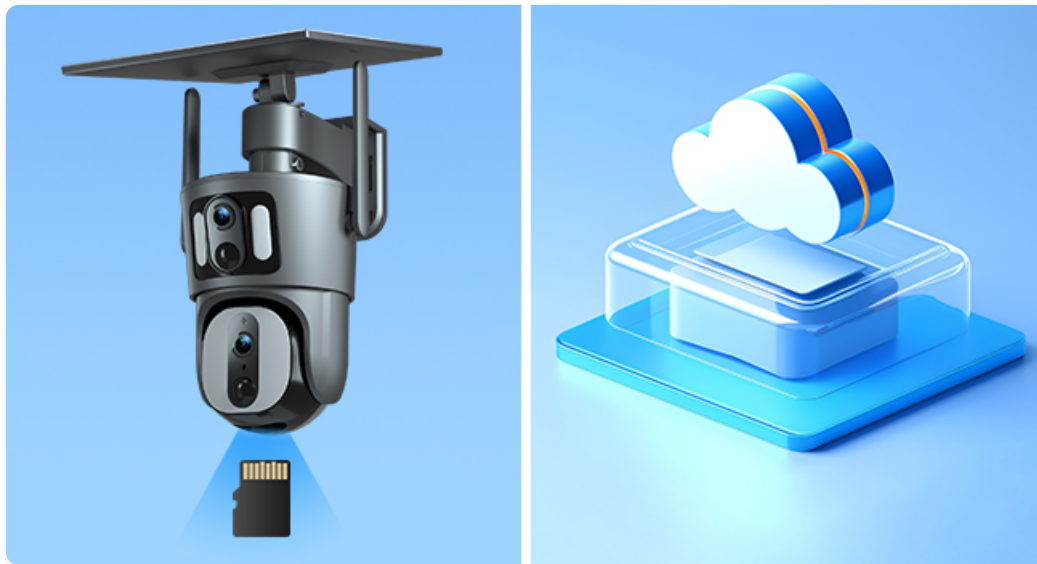


Figure 5.5: Choose between local TF card storage or convenient cloud storage for your recordings.

5.7 Scheduled Monitoring

Configure specific monitoring schedules within the UBOX app. This allows you to set active surveillance times, optimizing battery life and focusing monitoring on periods of higher activity.

Figure 5.6: Customize monitoring schedules to suit your specific security needs.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the camera lenses and solar panel with a soft, damp cloth to ensure clear image quality and efficient solar charging. Avoid abrasive cleaners or materials that could scratch the surfaces.

6.2 Weather Resistance (IP66)

The XG06 camera is rated IP66 waterproof, meaning it is protected against dust ingress and powerful water jets. While designed for outdoor use in various weather conditions, avoid submerging the camera in water.



Figure 6.1: The IP66 waterproof rating ensures the camera functions reliably in extreme weather.

6.3 Battery Care

To maximize battery lifespan, ensure the solar panel receives adequate direct sunlight daily. In prolonged periods of low sunlight or heavy usage, the camera may require occasional manual charging via the USB port.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera offline	No 4G signal; SIM card issue; low battery.	Check 4G signal strength at location; ensure SIM card is active and has data; charge battery.

Problem	Possible Cause	Solution
Cannot connect to app	Incorrect QR code scan; Bluetooth off; app permissions.	Rescan QR code; enable Bluetooth; grant all necessary app permissions.
Poor image quality	Dirty lens; insufficient light; network issues.	Clean lenses; ensure adequate lighting or use night vision; check 4G signal.
Battery not charging	Insufficient sunlight; faulty solar panel/cable.	Relocate solar panel to direct sunlight; check cable connections; contact support if issue persists.
False motion alerts	PIR sensitivity too high; non-human movement.	Adjust PIR sensitivity in app; ensure person detection is enabled.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Xega customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	XG06
Video Capture Resolution	1080p
Connectivity Protocol	Cellular (4G LTE)
Power Source	Solar Powered
Battery Capacity	10400 mAh
Solar Panel Wattage	6W (Note: Feature bullets mention 6W, specifications mention 3.5W. Using 6W as it's more prominent in marketing.)
Pan/Tilt Range	355° Pan, 100° Tilt
Waterproof Rating	IP66
Storage	TF Card (Max 128GB), Cloud Storage
Control Method	App (UBOX)
Material	Acrylonitrile Butadiene Styrene (ABS)
Item Dimensions (L x W x H)	11.42 x 8.27 x 7.48 inches
Item Weight	3.83 pounds

9. WARRANTY AND SUPPORT

Xega provides customer support for its products. For technical assistance, warranty claims, or any inquiries regarding your Xega 4G LTE Security Camera XG06, please contact Xega customer service directly. Contact information can typically be found on the product packaging or the official Xega website.

Email: service@xegatech.com