

Xega RBX-S20

Xega RBX-S20 4G LTE Cellular Security Camera Instruction Manual

Model: RBX-S20

1. PRODUCT OVERVIEW

The Xega RBX-S20 is a 4G LTE cellular security camera designed for outdoor use in locations without Wi-Fi access. It features solar power, a built-in SIM card for 4G connectivity, 2K HD resolution with color night vision, PTZ (Pan-Tilt-Zoom) functionality, smart PIR motion detection, and two-way audio communication. Its IP66 waterproof rating ensures durability in various weather conditions.



Image: Xega RBX-S20 Cellular Security Camera with solar panel, highlighting 4G LTE connectivity and no Wi-Fi requirement.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Xega RBX-S20 Cellular Security Camera
- Solar Panel (integrated or separate, depending on model variant)

- Mounting Bracket
- Mounting Screws
- Charging Cable
- Instruction Manual (this document)
- Pre-installed Trial SIM Card

3. SETUP

3.1 Initial Activation and Charging

1. **Charge the Camera:** Before first use, fully charge the camera's built-in 14400mAh battery using the provided charging cable. Connect the cable to the camera's charging port and a standard USB power adapter (not included).
2. **SIM Card:** The camera comes with a built-in trial SIM card. Ensure it is properly seated. This camera only supports its built-in SIM card and does not have an external SIM card slot.
3. **Download the UBox App:** Scan the QR code in the manual or search for 'UBox' in your smartphone's app store (iOS or Android) and install it.
4. **Register Account:** Open the UBox app and follow the on-screen instructions to register a new account.
5. **Add Camera:** In the UBox app, tap 'Add Device' or the '+' icon. Follow the prompts to scan the QR code located on the camera body to pair the device with your account.

3.2 Micro SD Card Installation (Optional)

For local video storage, you can install a Micro SD card (up to 128GB, not included).

1. Locate the Micro SD card slot on the camera. This is typically found under a protective cover.
2. Carefully insert the Micro SD card into the slot until it clicks into place.
3. Close the protective cover securely to maintain the camera's IP66 waterproof rating.



Image: Diagram illustrating the TF card slot and built-in SIM card location.

3.3 Mounting the Camera

Select a mounting location that provides optimal solar exposure for the solar panel and a clear view of the area you wish to monitor. Ensure the location has adequate 4G LTE cellular coverage.

- 1. Positioning:** The camera is designed for outdoor wall mounting. Position the solar panel to receive maximum direct sunlight throughout the day.
- 2. Mark Holes:** Use the mounting bracket as a template to mark the drill holes on the desired surface.
- 3. Drill Holes:** Drill pilot holes at the marked locations.
- 4. Secure Bracket:** Attach the mounting bracket to the surface using the provided screws.
- 5. Attach Camera:** Securely attach the camera to the mounting bracket. Adjust the angle of the camera and solar panel as needed.

4. OPERATING INSTRUCTIONS

4.1 UBox App Interface

Once the camera is added to the UBox app, you can access its features:

- Live View:** Tap on the camera in the app to view the live feed.
- PTZ Control:** Use the on-screen joystick or swipe gestures to pan the camera 355° horizontally and tilt it 95° vertically. The camera also supports 4X digital zoom.
- Two-Way Audio:** Use the microphone icon to speak through the camera's speaker and the speaker icon to listen to audio from the camera's location.
- Recording & Playback:** Access recorded videos from the Micro SD card or cloud storage.

- **Settings:** Adjust various camera parameters, including motion detection sensitivity, night vision mode, and recording schedules.



Image: Illustration of the camera's 360° wide view, 355° pan, 95° tilt, and 4X digital zoom features.

4.2 Motion Detection and Alerts

The camera utilizes a sensitive PIR motion sensor combined with software pixel analysis for accurate detection and reduced false alarms.

- **Enable Detection:** In the UBox app settings, enable PIR motion detection.
- **Sensitivity Adjustment:** Adjust the sensitivity level to suit your environment and minimize unwanted alerts.
- **Alerts:** When motion is detected, the camera will send instant alerts to your smartphone via the UBox app.
- **Two-Way Talk:** Upon receiving an alert, you can use the two-way talk feature to communicate with visitors or deter intruders.



Image: Demonstration of PIR motion detection triggering a real-time alert on a smartphone.

4.3 Night Vision

The camera features 2K Super HD Color Night Vision, capable of capturing clear footage up to 65ft (20 meters) in low-light conditions.

- **Color Night Vision:** When sufficient ambient light is available (e.g., from streetlights or the camera's spotlight), the camera

can record in full color at night.

- **Infrared Night Vision:** In complete darkness, the camera automatically switches to infrared (black and white) night vision.



Image: Comparison showing 2K Super HD Color Night Vision with spotlight on versus standard night vision with spotlight off.

4.4 Data Plan and Storage

The camera requires a monthly data plan for 4G cellular coverage. A trial SIM card with 300MB trial data is included upon activation.

- **Data Usage:** Under normal usage, approximately 1-2GB of data can cover monthly usage.
- **Local Storage:** Supports Micro SD card storage up to 128GB.
- **Cloud Storage:** A 30-day trial for cloud storage is offered. After the trial, a subscription is required for cloud services.



Images: UBox app interface and multi-camera view on a smartphone.

5. MAINTENANCE

5.1 Power Management

The camera is powered by a built-in 14400mAh rechargeable battery and a solar panel for continuous charging.

- **Solar Charging:** Ensure the solar panel is clean and positioned to receive maximum sunlight to maintain battery charge.
- **Battery Level:** Monitor the battery level through the UBox app. If the battery level is consistently low, check the solar panel's exposure or charge the camera manually using the charging cable.

5.2 Weather Resistance

The camera has an IP66 waterproof rating, making it resistant to dust and strong jets of water. It is designed to operate in temperatures ranging from -10°C (14°F) to 55°C (131°F).

- **Environmental Protection:** While IP66 rated, avoid submerging the camera in water.
- **Cleaning:** Periodically clean the camera lens and solar panel with a soft, damp cloth to ensure optimal performance and charging efficiency. Do not use harsh chemicals.



Image: Xega camera demonstrating its IP66 weather resistance in extreme weather conditions.

6. TROUBLESHOOTING

If you encounter issues with your Xega RBX-S20 camera, refer to the following common solutions:

- **Camera Offline:**
 - Check 4G LTE signal strength in the camera's location via the UBox app.
 - Ensure the SIM card data plan is active and has sufficient data.
 - Verify the camera battery is charged.
 - Restart the camera by pressing the reset button (if available) or power cycling it.
- **Battery Not Charging:**
 - Ensure the solar panel is clean and receiving direct sunlight.
 - Check the connection between the solar panel and the camera.
 - Manually charge the camera using the provided USB cable to confirm the charging port is functional.
- **Motion Detection Not Working:**
 - Verify that motion detection is enabled in the UBox app settings.
 - Adjust the PIR sensitivity settings. High sensitivity may cause false alarms, while low sensitivity might miss events.
 - Ensure there are no obstructions blocking the PIR sensor's view.
- **No Video Recording:**
 - Check if a Micro SD card is properly installed and formatted in the UBox app.
 - If using cloud storage, ensure your subscription is active.
 - Verify that recording schedules are correctly configured in the app.
- **App Connectivity Issues:**
 - Ensure your smartphone has a stable internet connection.
 - Update the UBox app to the latest version.
 - Clear the app's cache or reinstall the app if issues persist.

Frequently Asked Questions (FAQs)

Q: Can I schedule the working time for this cellular security camera?

A: Yes, you can set the camera to operate only during specific times via the UBox App.

Q: How much data is needed?

A: Under normal usage, approximately 1-2GB of data can cover monthly usage.

Q: How does this cellular security camera save video?

A: You can insert a TF card (up to 128GB) into the camera for local storage. Alternatively, you can use cloud storage, which offers a 7-day trial period, followed by a paid subscription.

7. SPECIFICATIONS

Feature	Specification
Model Name	RBX-S20
Indoor/Outdoor Usage	Outdoor
Power Source	Solar Powered
Connectivity Protocol	Cellular (4G LTE)
Video Capture Resolution	1920p (2K HD)
Night Vision Range	25 Meters (65ft)
Special Features	2-Way Audio, HD Resolution, Motion Sensor, Night Vision, PTZ Technology
PTZ Capabilities	Pan 355°, Tilt 95°, 4X Digital Zoom
Battery Capacity	14400mAh (Rechargeable)
Waterproof Rating	IP66
Storage Options	Micro SD Card (up to 128GB), Cloud Storage
Operating Temperature	-10°C to 55°C (14°F to 131°F)
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions (L x W x H)	10 x 7.28 x 5.9 inches
Item Weight	3.47 pounds

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact Xega customer support directly. Xega provides customer support to assist with any product-related inquiries or issues.

- Contact Support:** If you require assistance, please contact Xega customer service via the method provided in your purchase details or through the UBox app.
- Online Resources:** Visit the official Xega website for additional support resources, FAQs, and firmware updates.