

## YI CB201-1X-W

# YI Smart Security Camera 360° PTZ Dome Camera User Manual

Model: CB201-1X-W | Brand: YI

## 1. INTRODUCTION

Thank you for choosing the YI Smart Security Camera 360° PTZ Dome Camera. This camera provides comprehensive surveillance with its 360° pan and tilt capabilities, delivering crystal-clear 1080p Full HD video. Designed for indoor use, it features advanced motion detection, smart auto-tracking, enhanced night vision, and two-way audio communication. This manual will guide you through the setup, operation, and maintenance of your new security camera.

### Key Features:

- **360° Coverage:** 355° horizontal and 90° vertical rotation for zero blind spots.
- **1080p Full HD:** High-definition video for clear monitoring.
- **Motion Detection & Auto Tracking:** Alerts and tracks moving objects automatically.
- **Enhanced Night Vision:** Multiple modes including full-color night vision.
- **Two-Way Audio:** Built-in microphone and speaker for real-time communication.
- **Flexible Storage:** Supports Cloud storage and local storage via microSD card (up to 128GB).

## 2. PACKAGE CONTENTS

Please check the package for the following items:

- YI Smart Security Camera x1
- USB Cable x1
- User Manual x1 (This document)

## 3. PRODUCT OVERVIEW

Familiarize yourself with the components of your YI Smart Security Camera.

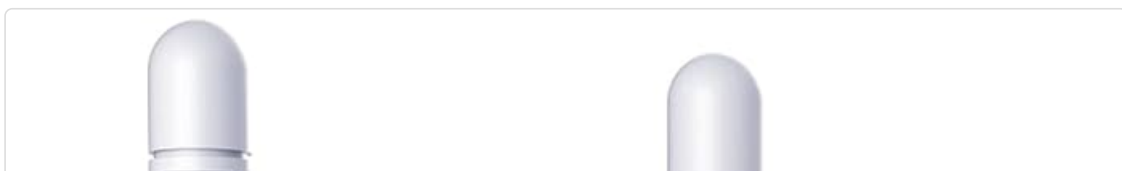






Figure 3.1: Front view of the YI Smart Security Camera, showing the lens, LED lights, and two antennas.



Figure 3.2: Dimensions of the YI Smart Security Camera, indicating a height of 180mm (7.08in), width of 102mm (4.0in), and depth of 85mm (3.34in).

## 4. SETUP AND INSTALLATION

### 4.1 Initial Power-Up

1. Connect the provided USB cable to the camera's power port and plug the other end into a compatible USB power

adapter (not included).

2. The camera will power on and initiate its self-test sequence. Wait for the indicator light to flash, indicating it's ready for setup.

## 4.2 App Download and Account Creation

1. Download the **YI IOT App** from the App Store (iOS) or Google Play Store (Android).
2. Open the app and follow the on-screen instructions to create a new account or log in if you already have one.

## 4.3 Adding Your Camera to the App

1. In the YI IOT App, tap the "+" icon to add a new device.
2. Select your camera model from the list.
3. Follow the app's instructions to connect the camera to your 2.4GHz Wi-Fi network. This typically involves scanning a QR code generated by the app with the camera's lens.
4. Once connected, you can name your camera and begin live viewing.

## 4.4 Mounting the Camera

The camera is designed for indoor use and can be placed on a flat surface or wall-mounted. For wall mounting, use the included mounting accessories (if applicable) and ensure the camera is securely fastened.

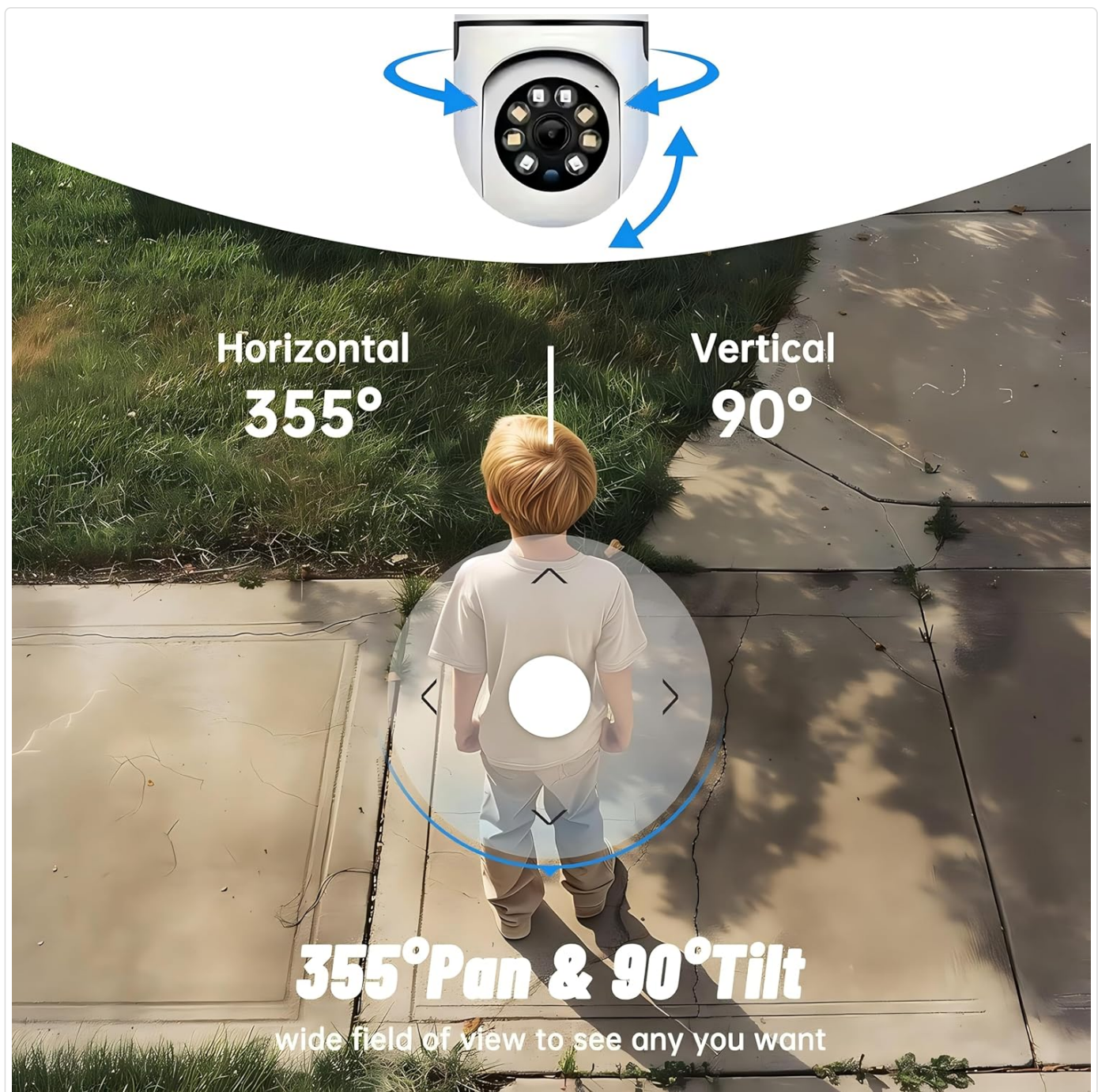


Figure 4.1: Examples of multi-scene applications, including wall and ceiling mounting, and placement in living rooms, bedrooms, and studies.

## 5. OPERATING YOUR CAMERA

### 5.1 Pan-Tilt Control

The YI Smart Security Camera offers extensive pan and tilt capabilities, allowing you to monitor a wide area.

- **Horizontal Rotation:** 355°
- **Vertical Rotation:** 90°

In the YI IOT App, use the directional controls on the live view screen to remotely adjust the camera's viewing angle.



# Motion Detection Alert

Real-time alert notifications sent to your phone,  
check what is going on instantly.  
Protect what you matters most.

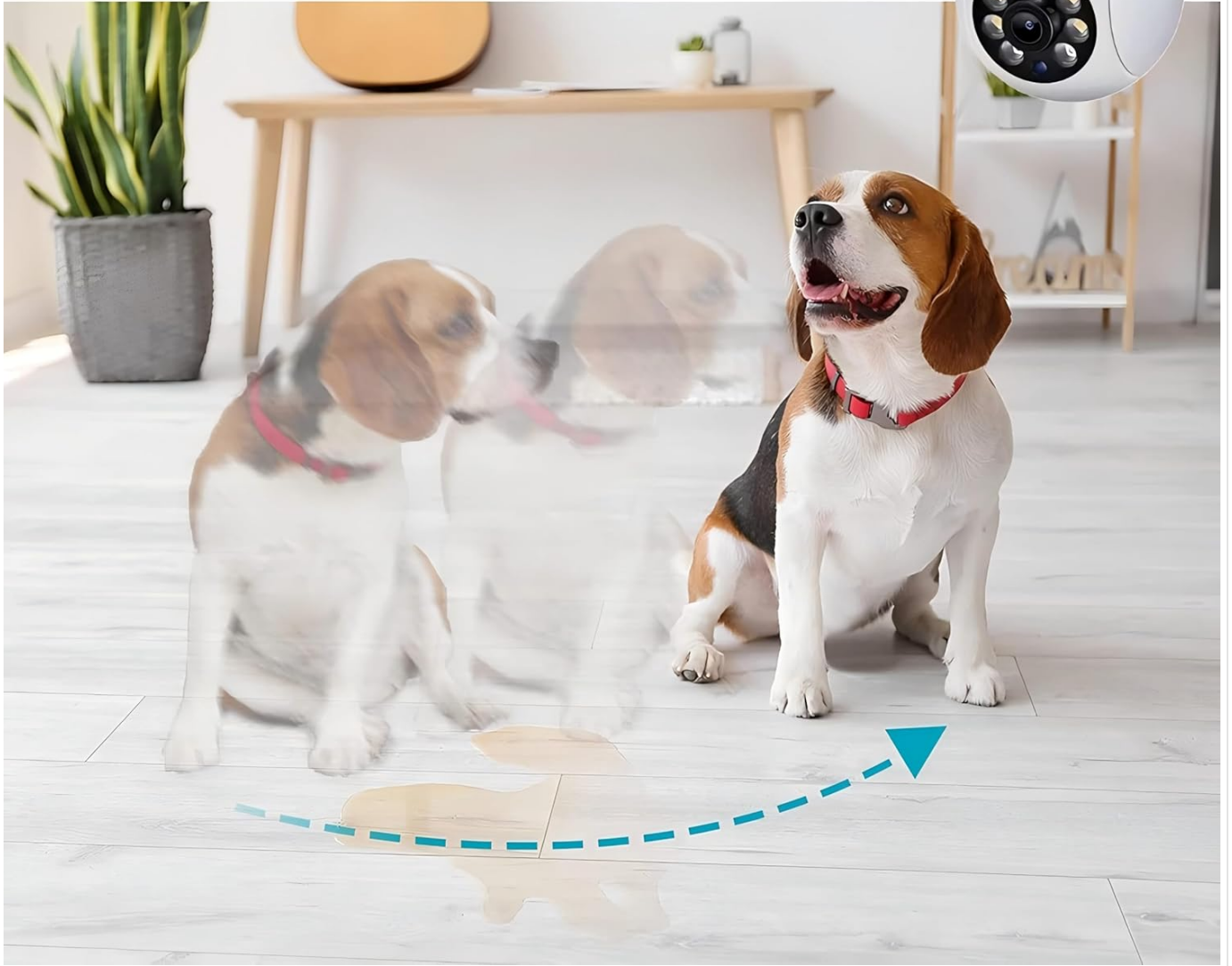


Figure 5.1: Illustration of the camera's 355° horizontal pan and 90° vertical tilt capabilities, providing a wide field of view.

## 5.2 Motion Detection & Smart Auto Tracking

The camera can detect movement and automatically track objects, sending alerts to your smartphone.

- **Motion Detection:** When motion is detected, the camera will send an instant push notification with a 6-second video clip to your phone via the YI IOT App.
- **Smart Auto Tracking:** If enabled, the camera will automatically follow moving objects for up to 10 seconds after detection, ensuring continuous monitoring of the activity.

Adjust sensitivity settings and notification preferences within the app.

# Real Time Alarms

Scare away intruders & Secure the family

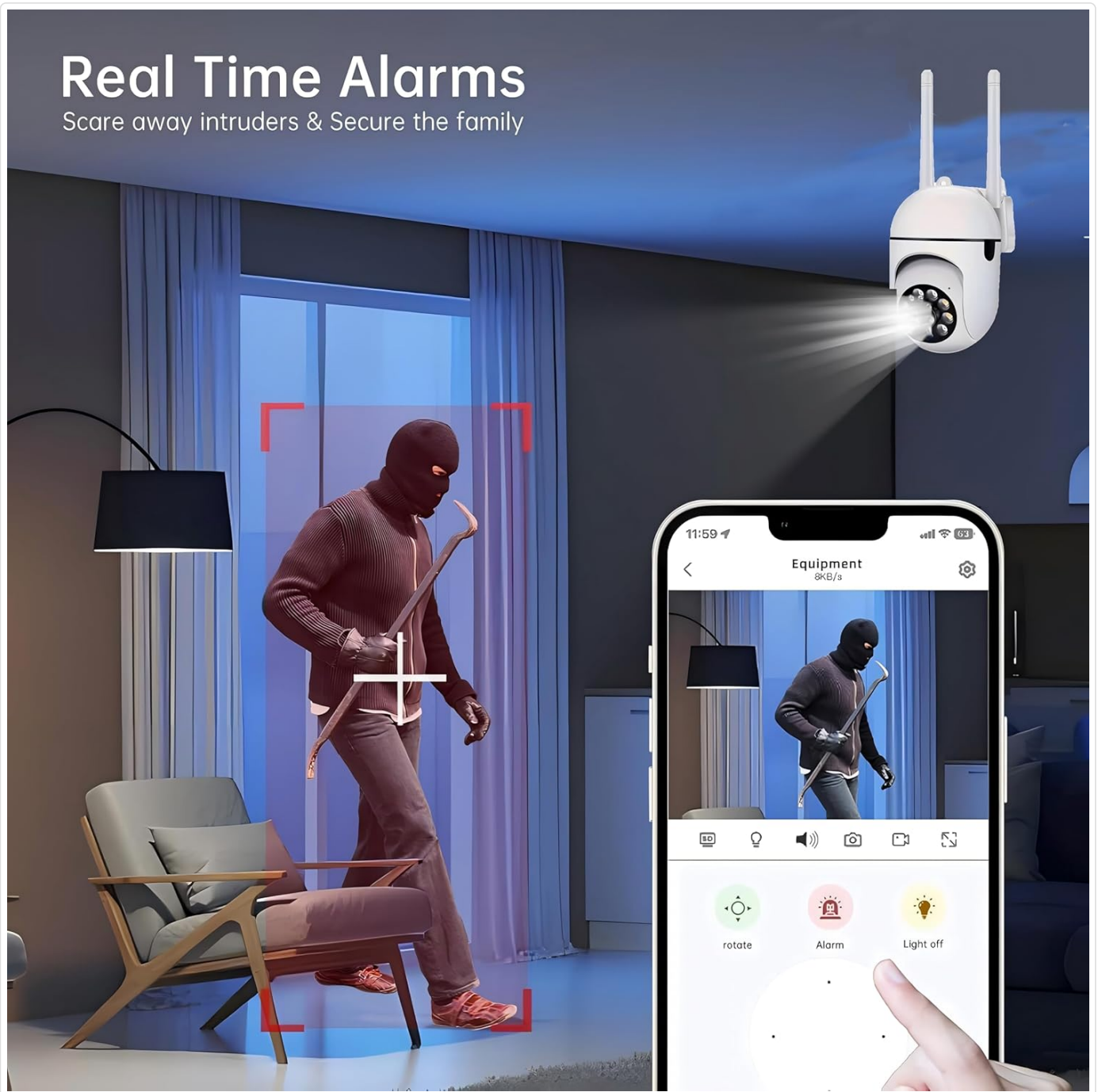


Figure 5.2: Real-time alarm notification on the YI IOT app, showing an intruder detected by the camera.



Leave it at the door for me, please.

Hi, your package has arrived.

## ***Real-Time Two-Way Talk***

Listen and Respond in real time with the built-in microphone and speaker.

Figure 5.3: The camera's motion tracking feature focusing on a moving pet.



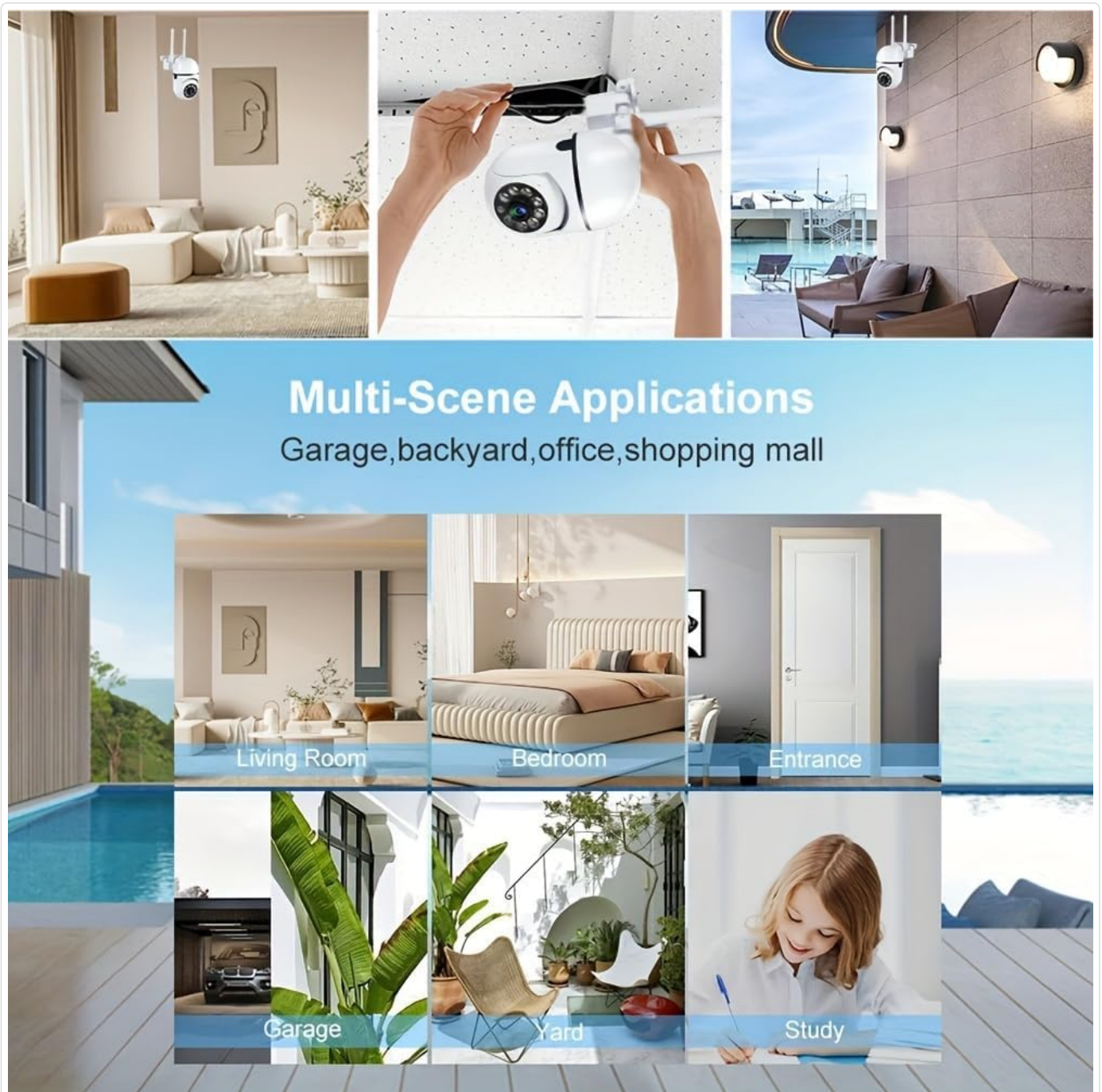


Figure 5.4: Visual representation of a motion detection alert, showing the camera capturing movement and sending notifications.

### 5.3 Enhanced Night Vision

The camera is equipped with ultra-long-distance infrared LEDs and floodlight LEDs, offering multiple night vision modes for clear visibility in low-light conditions.

- **Normal Night Vision:** Standard black and white infrared view.
- **Intelligent Night Vision:** Automatically switches between infrared and full-color based on detected activity.
- **Full-Color Night Vision:** Provides a color image even in low light, utilizing the built-in floodlight.

You can switch between these modes directly from the YI IOT App.



Figure 5.5: Comparison illustrating the difference between standard infrared night vision (monochrome) and 1080p full-color night vision.

#### 5.4 Two-Way Audio

Communicate through the camera using its built-in microphone and high-power speaker.

- **Intercom Mode:** Press and hold the microphone icon in the app to speak, and release to listen. Ideal for giving commands to pets or deterring unwanted visitors.
- **Hands-Free Mode:** Allows for a continuous two-way conversation, similar to a phone call.



# Motion Tracking

Focus What Matters



Figure 5.6: Demonstration of real-time two-way talk, allowing communication between the camera's location and the app user.

## 5.5 Cloud & Local Storage

Your camera offers flexible storage options for your video footage.

- **YI Cloud Storage:** Securely store 6-second video clips triggered by motion or sound detection. This ensures your footage is safe from loss, theft, or damage to local storage. Available for both iOS and Android.
- **Local Storage:** The camera supports microSD cards up to 128GB (not included) for continuous recording or event-triggered recordings.

## 6. MAINTENANCE

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

- **Cleaning:** Gently wipe the camera lens and body with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Firmware Updates:** Regularly check for and install firmware updates via the YI IOT App. Updates often include

performance improvements, new features, and security enhancements.

- **Power Cycle:** If the camera becomes unresponsive, unplug it from the power source for 10 seconds, then plug it back in to restart it.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Camera offline	No power; Wi-Fi disconnected; Router issue	Check power connection; Restart camera and router; Reconnect camera to Wi-Fi via app.
Poor image quality	Dirty lens; Insufficient lighting; Network bandwidth	Clean the lens; Ensure adequate lighting or enable night vision; Check Wi-Fi signal strength.
Motion detection not working	Feature disabled; Incorrect sensitivity; Obstruction	Enable motion detection in app; Adjust sensitivity; Ensure clear view.
Two-way audio issues	Microphone/speaker muted; App permissions; Network delay	Check app settings; Grant microphone permissions; Ensure stable network connection.
MicroSD card not recognized	Card not inserted correctly; Incompatible card; Corrupted card	Reinsert card; Use a compatible card (Class 10 or higher); Format card in app or replace.

If the problem persists, please contact YI customer support.

## 8. SPECIFICATIONS

Detailed technical specifications for the YI Smart Security Camera.

Feature	Specification
Model Name	CB201-1X-W
Indoor/Outdoor Usage	Indoor
Video Capture Resolution	1080p Full HD
Connectivity Technology	Wireless (Wi-Fi 2.4GHz)
Pan/Tilt Range	Horizontal 355°, Vertical 90°
Night Vision Range	10 Meters
Two-Way Audio	Yes
Storage Options	Cloud Storage, MicroSD Card (up to 128GB)
Power Source	Corded Electric
Compatible Devices	Smartphone (iOS/Android)
Product Dimensions (L x W x H)	4 x 3.35 x 7.09 inches
Included Components	Security Camera x1, USB Cable x1



## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official YI website or contact their customer service directly. Details can typically be found on the product packaging or within the YI IOT App's 'About' or 'Support' section.

**Online Support:** Visit the official YI website for FAQs, troubleshooting guides, and contact options.

**App Support:** Access support resources directly within the YI IOT App.