

Codnida COD-CD320

Codnida Security Camera Outdoor User Manual

MODEL: COD-CD320

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Codnida 2K PTZ Outdoor Security Camera. Designed for comprehensive surveillance, this camera offers 360° pan and tilt capabilities, 2K (3MP) video resolution, motion detection with smart siren, two-way audio, and color night vision, ensuring robust security for your property.





Figure 1.1: Codnida 2K PTZ Outdoor Security Camera, showcasing its sleek white design with dual antennas and three prominent LED lights on the camera head.

2. Package Contents

Verify that all items listed below are included in your package:

- 1 x Security Camera with cable (approx. 10ft)
- 1 x Power Adapter
- 1 x Position Sticker
- 1 x Screw Package
- 1 x User Manual

IP66 Weatherproof



Rain



Snow



Shine



Figure 2.1: Diagram illustrating the camera's components including antennas, indicator light, LED lights, camera lens, microphone, power cable, reset button, and TF card slot.

3. Key Features

- **360° View PTZ:** Pan 340° and tilt 110° for comprehensive coverage without blind spots.
- **2K (3MP) Video & Image:** Captures 2304x1296 resolution for clear, sharp visuals.

- **Smart Siren Alarm:** Automatic activation of floodlight and siren upon motion detection at night.
- **Motion Detection & Auto Tracking:** Real-time alarm pushes to your phone and automatic tracking of human activity.
- **Clear Night Vision:** Features infrared and full-color night vision modes.
- **Remote Access:** View live video and control the camera via the "CloudEdge" app (iOS & Android).
- **Two-Way Audio:** Built-in microphone and speaker for real-time communication.
- **IP66 Weatherproof:** Designed to withstand harsh weather conditions (-4°F to +140°F).
- **Storage Support:** Supports SD card (up to 128GB, not included) and cloud service for recording storage.

4. Setup Guide

4.1 Powering On

Connect the camera to the provided power adapter and plug it into a standard electrical outlet. The camera will perform a self-test, indicated by LED lights and a voice prompt.

4.2 App Download and Account Creation

Download the "CloudEdge" app from your device's app store (available for iOS and Android). Follow the in-app instructions to create a new account or log in if you already have one.

4.3 Wi-Fi Connection

The Codnida camera connects only to 2.4GHz Wi-Fi networks. Ensure your router is broadcasting a 2.4GHz signal. If you have a dual-band router, you may need to separate the 2.4GHz and 5GHz networks or ensure your device is connected to the 2.4GHz band during setup.

Within the CloudEdge app, select 'Add Device' and follow the prompts to connect your camera to your Wi-Fi network. This typically involves scanning a QR code displayed on your phone with the camera lens.

Your browser does not support the video tag.

Video 4.1: Instructions on how to change your Xfinity router settings to enable a 2.4GHz Wi-Fi network, which is required for the camera's connection.

4.4 Mounting the Camera

Choose a suitable outdoor location for mounting, ensuring a clear view and proximity to a power source. Use the included position sticker to mark drill holes, then secure the camera using the provided screws. The camera's IP66 weatherproof rating ensures durability against rain and snow.

Spotlight & Siren Alarm

Drive away the unwanted guests



Siren



Spotlight

Get out !

OK



CloudEdge · now

Alarm Message

[Device 01] Human detection occurs

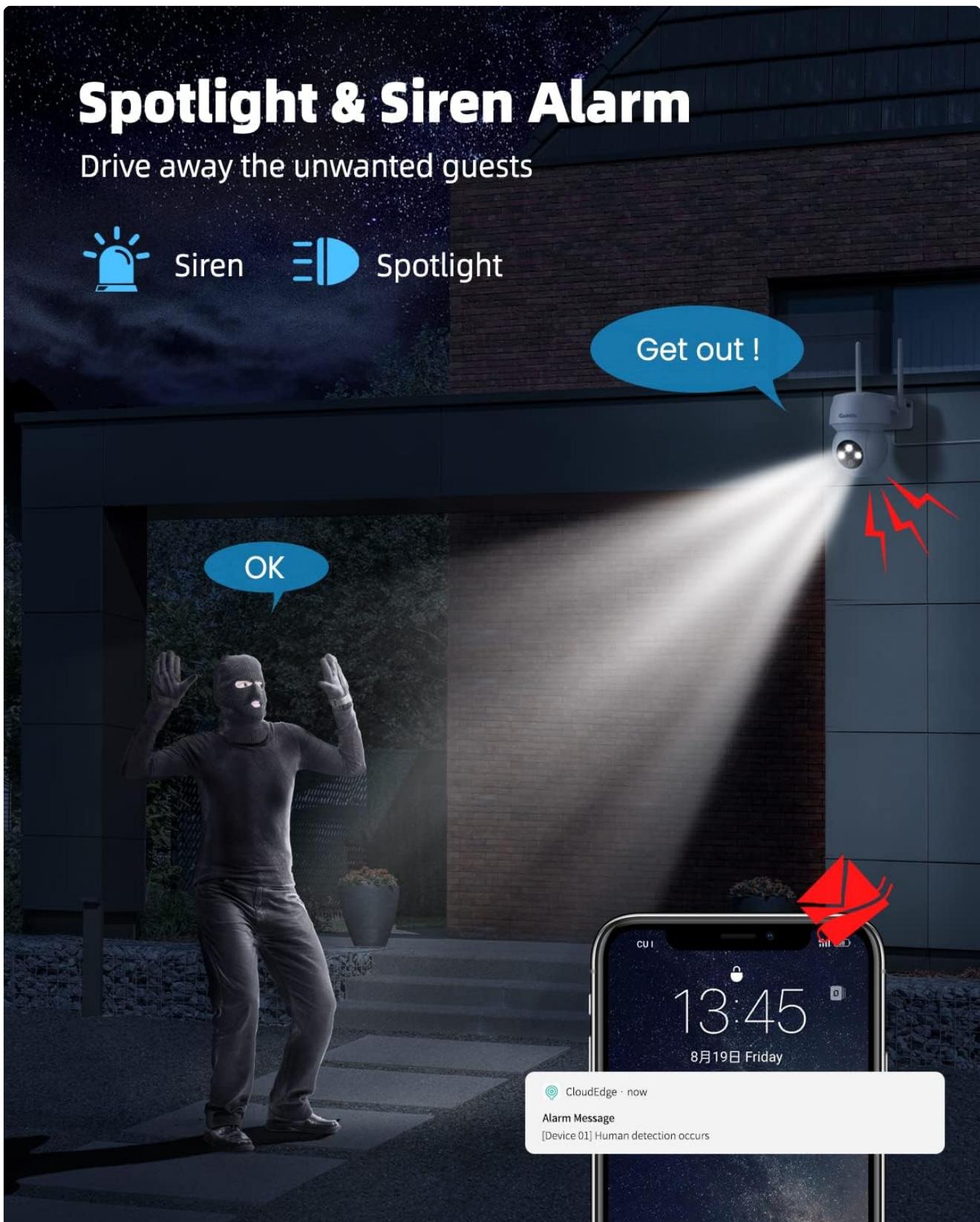


Figure 4.1: An example of the camera mounted outdoors on a wall, demonstrating its placement for optimal surveillance.

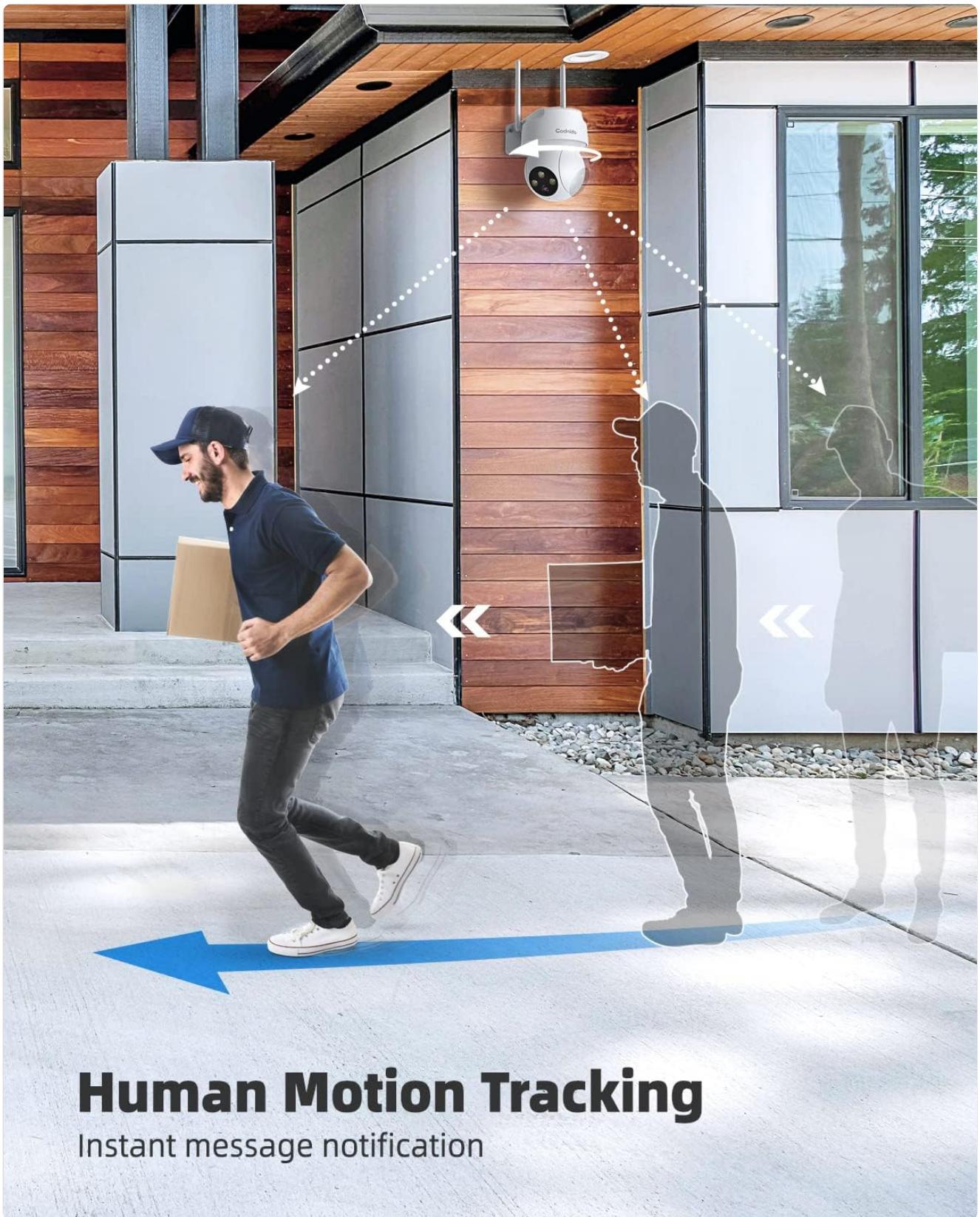


Figure 4.2: Visual representation of the camera's IP66 weatherproof capability, showing it enduring rain, snow, and sunshine.

5. Operation

5.1 Live View and PTZ Control

Open the CloudEdge app and select your camera to access the live view. Use the on-screen joystick or swipe gestures to control the camera's pan (340°) and tilt (110°) movements, allowing you to adjust the viewing angle remotely.



Human Motion Tracking

Instant message notification

Figure 5.1: A smartphone screen displaying the live camera feed with an overlay of PTZ control arrows, indicating the ability to remotely adjust the camera's pan and tilt.

Siren and Spotlight Function

Drive away the unwanted guests



Siren



Spotlight

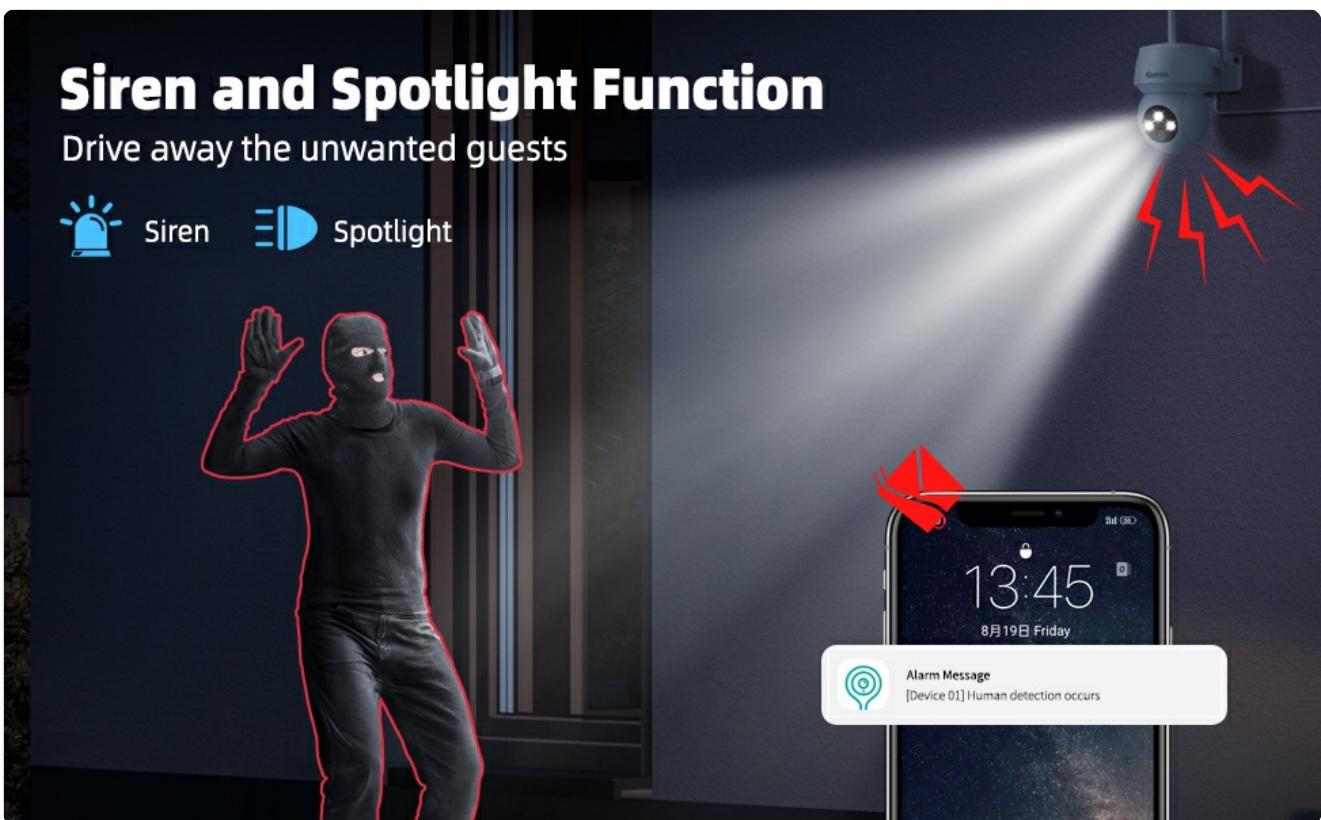


Figure 5.2: An outdoor scene with a house and garage, showing the camera mounted on the wall with arrows indicating its 340° pan and 110° tilt capabilities for a 360° view.

5.2 Motion Detection and Alerts

Enable motion detection in the app settings. When motion is detected, the camera will automatically push real-time alarm information to your phone. The auto-tracking feature allows the camera to follow detected human activity, ensuring important moments are recorded.

PTZ Control & 360° View No Blind Spots



Figure 5.3: An illustration depicting the camera's human motion tracking feature, showing a person walking and the camera's field of view adjusting to follow them.

Catch More Detail at Night

Support 24/7 Recording and Viewing



Figure 5.4: A night scene showing the camera's spotlight illuminating an intruder and a siren icon, with a phone displaying an alarm message, demonstrating the smart siren and spotlight function.

5.3 Two-Way Audio

Utilize the built-in microphone and speaker for two-way communication. Tap the microphone icon in the live view to speak through the camera, and listen to audio from the camera's surroundings.

2 Way Audio

Talk anytime, anywhere

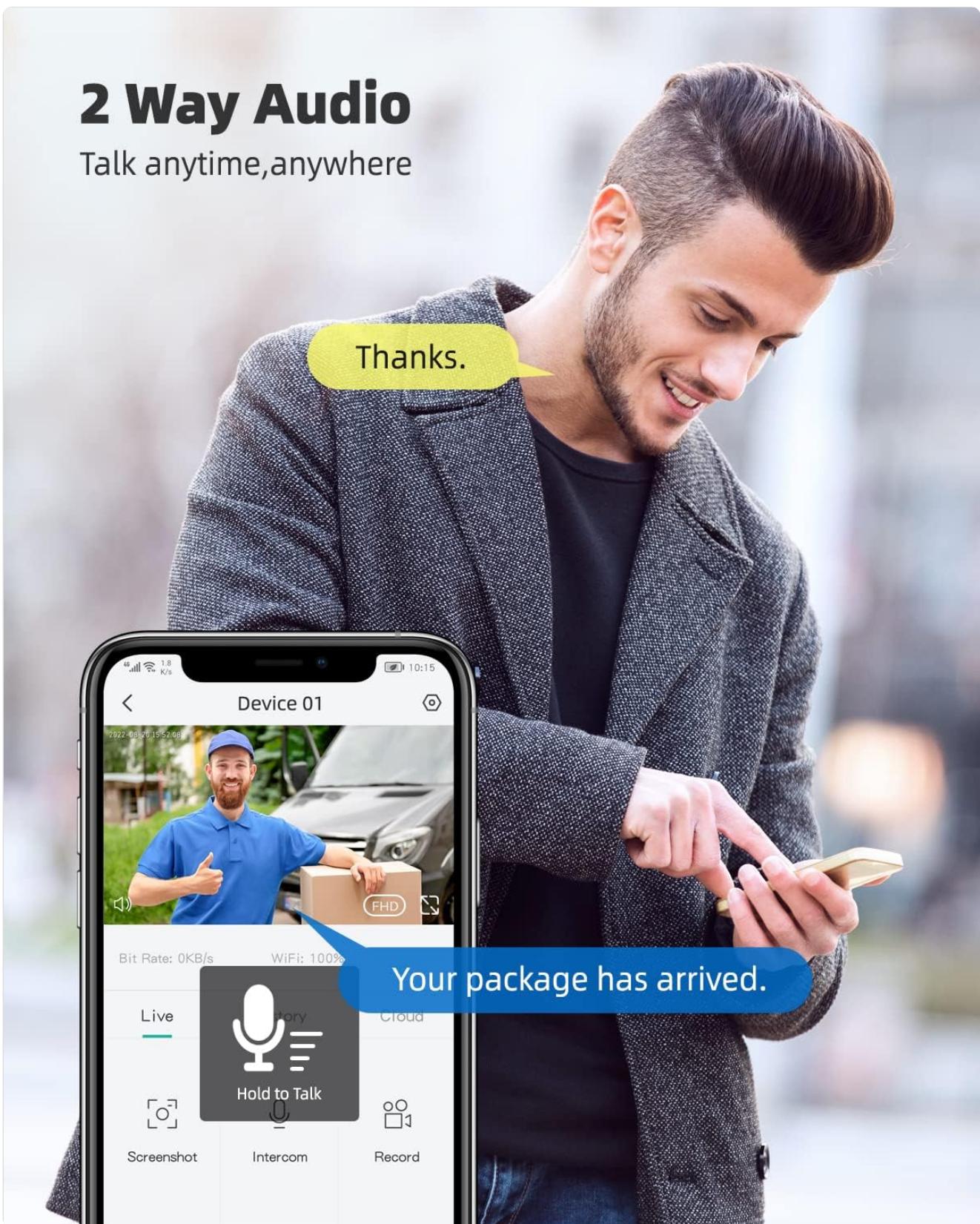


Figure 5.5: A person interacting with the camera via a smartphone app, showing a microphone icon for speaking and text bubbles indicating a two-way conversation, such as with a delivery person.

5.4 Night Vision Modes

The camera offers two night vision modes: infrared night vision for clear black-and-white images in low light, and full-color night vision which uses the integrated floodlight to provide color images at night.

Crisp 2K(3MP) Full HD Video

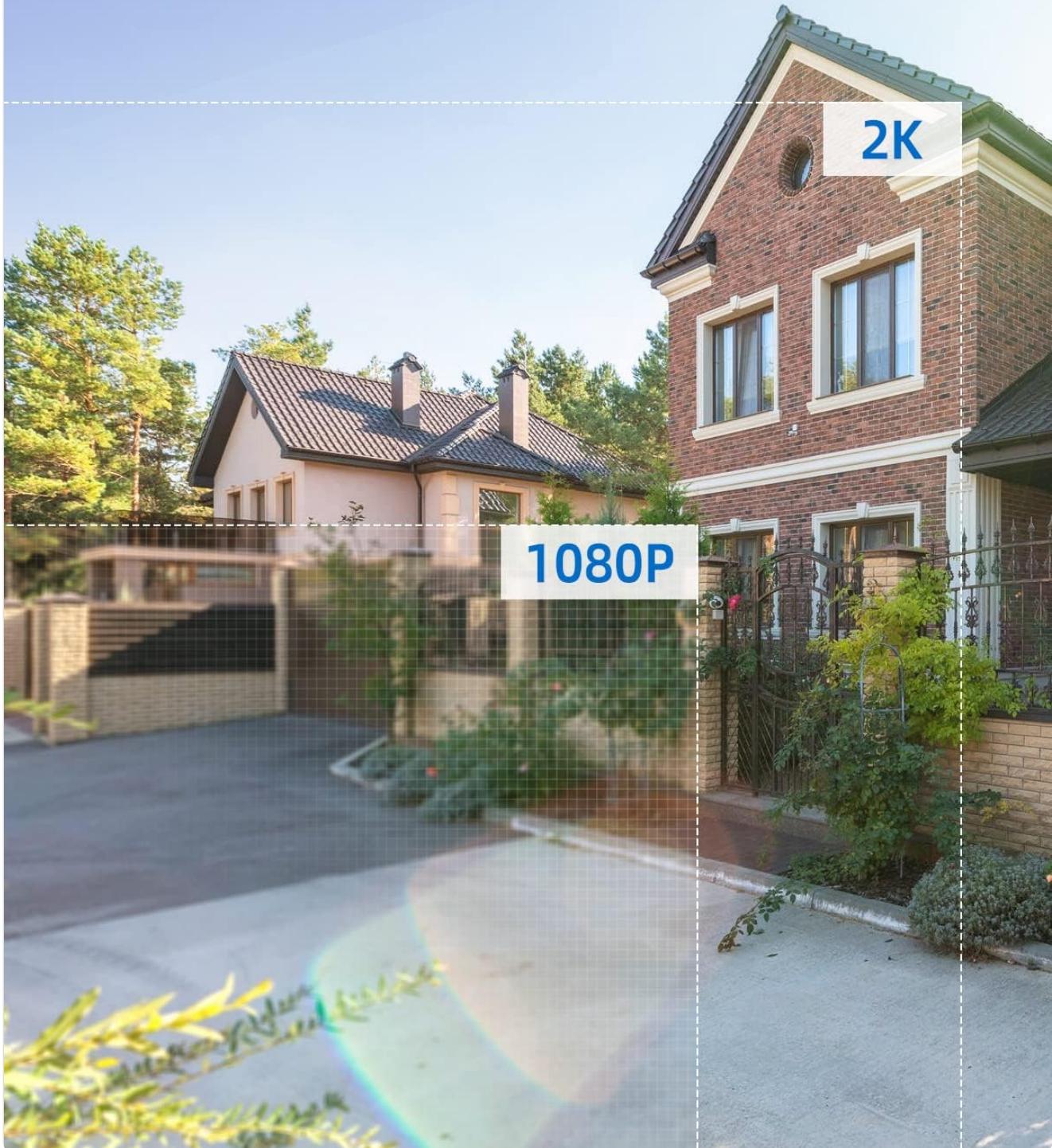


Figure 5.6: Comparison of color night vision (top) showing a brightly lit house and infrared night vision (bottom) showing a black and white view, both captured by the camera at night.

5.5 Recording and Playback

The camera supports 24/7 recording. Recordings can be stored on a local SD card (not included, up to 128GB) or via cloud service (subscription may be required). Access recorded footage and playback through the CloudEdge app.

PTZ Remote Control

Provide 360°View, No Blind Area



Figure 5.7: A visual comparison demonstrating the superior clarity of 2K (3MP) video resolution compared to 1080p, highlighting the enhanced detail captured by the camera.

6. Maintenance

6.1 Cleaning the Camera

Periodically clean the camera lens and housing with a soft, damp cloth to remove dust and debris. Do not use harsh chemicals or abrasive cleaners.

6.2 Firmware Updates

Check the CloudEdge app regularly for available firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance, security, and access to new features.

6.3 Checking Connections

Ensure the power cable and any network cables (if used) are securely connected and free from damage. Verify Wi-Fi signal strength in the app to maintain a stable connection.

7. Specifications

Feature	Detail
Brand	Codnida
Model Number	COD-CD320

Feature	Detail
Connectivity Technology	Wireless (Wi-Fi)
Wi-Fi Frequency	2.4 GHz (Does not support 5G Wi-Fi)
Video Capture Resolution	2K (3MP, 2304x1296p)
Pan Range	340°
Tilt Range	110°
Night Vision Range	33 Feet
Night Vision Modes	Infrared, Full Color
Audio	2-Way Audio (Built-in microphone and speaker)
Weather Resistance	IP66 Waterproof
Operating Temperature	-4°F to +140°F (-20°C to +60°C)
Storage Options	SD Card (up to 128GB), Cloud Service
Power Source	corded electric (5 Volts, 12 watts)
Dimensions (L x W x H)	1 x 1 x 1 inches
Item Weight	1.08 pounds
Included Components	Camera, Power Adapter, Position Sticker, Screw Package, User Manual

8. Troubleshooting

8.1 Camera Not Connecting to Wi-Fi

- Ensure your Wi-Fi network is 2.4GHz. The camera does not support 5GHz Wi-Fi.
- Check your Wi-Fi password for accuracy.
- Move the camera closer to your Wi-Fi router to improve signal strength.
- If using a dual-band router, temporarily disable the 5GHz band during setup or ensure your phone is connected to the 2.4GHz band.
- Reset the camera by holding the reset button (located near the TF card slot) for 6-10 seconds until you hear a prompt. Then, attempt to reconnect.

8.2 Blurry or Pixelated Images

- Ensure the camera lens is clean and free from smudges or dirt.
- Check your internet connection speed. A slow connection can result in lower quality streaming.
- Verify the camera's resolution setting in the CloudEdge app is set to 2K (3MP) or FHD.

8.3 Motion Detection Not Working or Too Sensitive

- Adjust the motion detection sensitivity settings within the CloudEdge app.
- Define specific detection zones to reduce false alarms from irrelevant areas.
- Ensure there are no obstructions blocking the camera's view in the detection area.

9. Warranty and Support

For any issues with your order or product, please contact customer support. You can typically find support by logging into your account, choosing 'your order', finding the order ID, and clicking 'contact seller'.

For the most up-to-date warranty information, please refer to the product listing or contact Codnida customer service directly.