

## Tapo Tapo C220

# Tapo C220 2K QHD Pan/Tilt Security Camera

## USER MANUAL

### 1. Introduction

The Tapo C220 is a versatile 2K QHD Pan/Tilt Security Camera designed for indoor monitoring. It offers high-definition video, comprehensive motion detection, two-way audio communication, and flexible storage solutions, making it ideal for pet monitoring, baby surveillance, or general home security. This manual provides detailed instructions for setting up, operating, and maintaining your Tapo C220 camera.

### 2. Package Contents

Verify that all items are present in your package:

- Tapo C220 Camera
- DC Power Adapter
- Mounting Anchors
- Camera Base
- Mounting Screws
- Mounting Template
- Quick Start Guide


### 3. Product Overview

The Tapo C220 camera features a compact dome design with a high-resolution lens capable of capturing clear 2K QHD video. It includes a pan/tilt mechanism for wide area coverage and an integrated microphone and speaker for two-way audio communication.





Figure 3.1: Front view of the Tapo C220 camera.


## Razor-Sharp 2K QHD View




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Crystal Clear 2K QHD

**Customizable Privacy Mode** 


**Sharing**  
Funny Clips | Tapo Devices 


**Two-Way Audio** 


**Flexible Storage Choices**  
**512G**




## Smart AI Detections


  
Person

  
Pet

  
Vehicle


  
Baby Crying

### Motion Detection with Customizable Activity Zones



### Pan/ Tilt View

360°Horizontal; 114° Vertical



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Crystal Clear 2K QHD

### Motion Tracking




Figure 3.2: Detailed front view highlighting the lens and indicator light.

# Razor-Sharp 2K QHD View

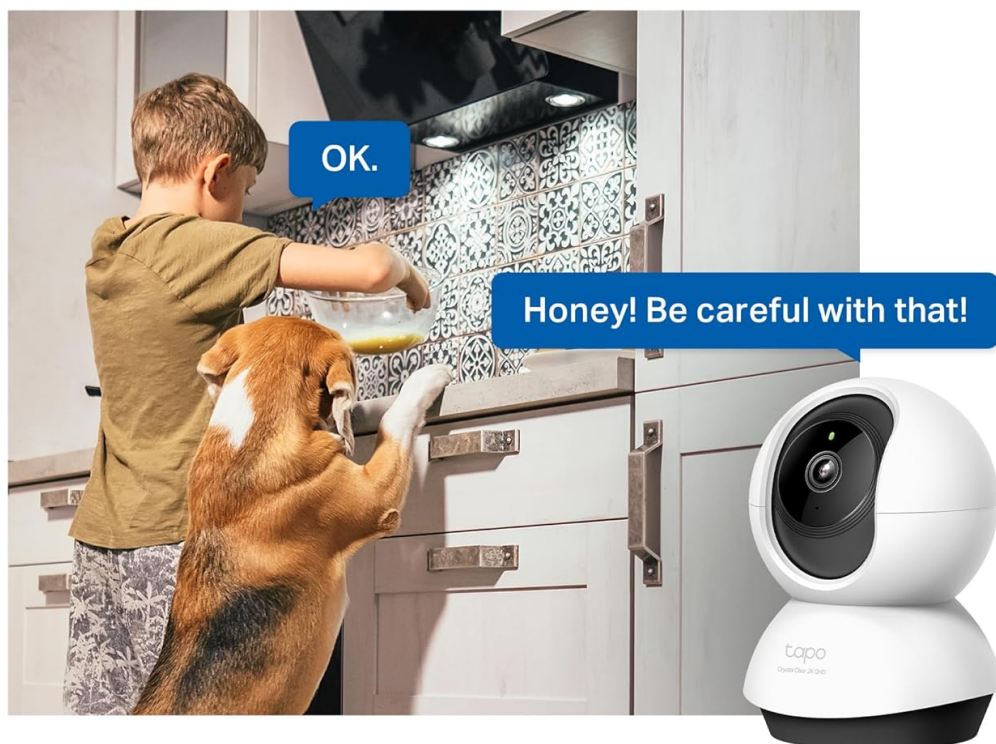


Record all of life's wonderful moments with the stunning 2K ultra-clear lens. You'll never miss those fine details.

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Figure 3.3: Side view of the Tapo C220 camera.

# Two-Way Audio



Use crisp two-way audio to communicate with nosy roommates, family, or even mischievous pets.

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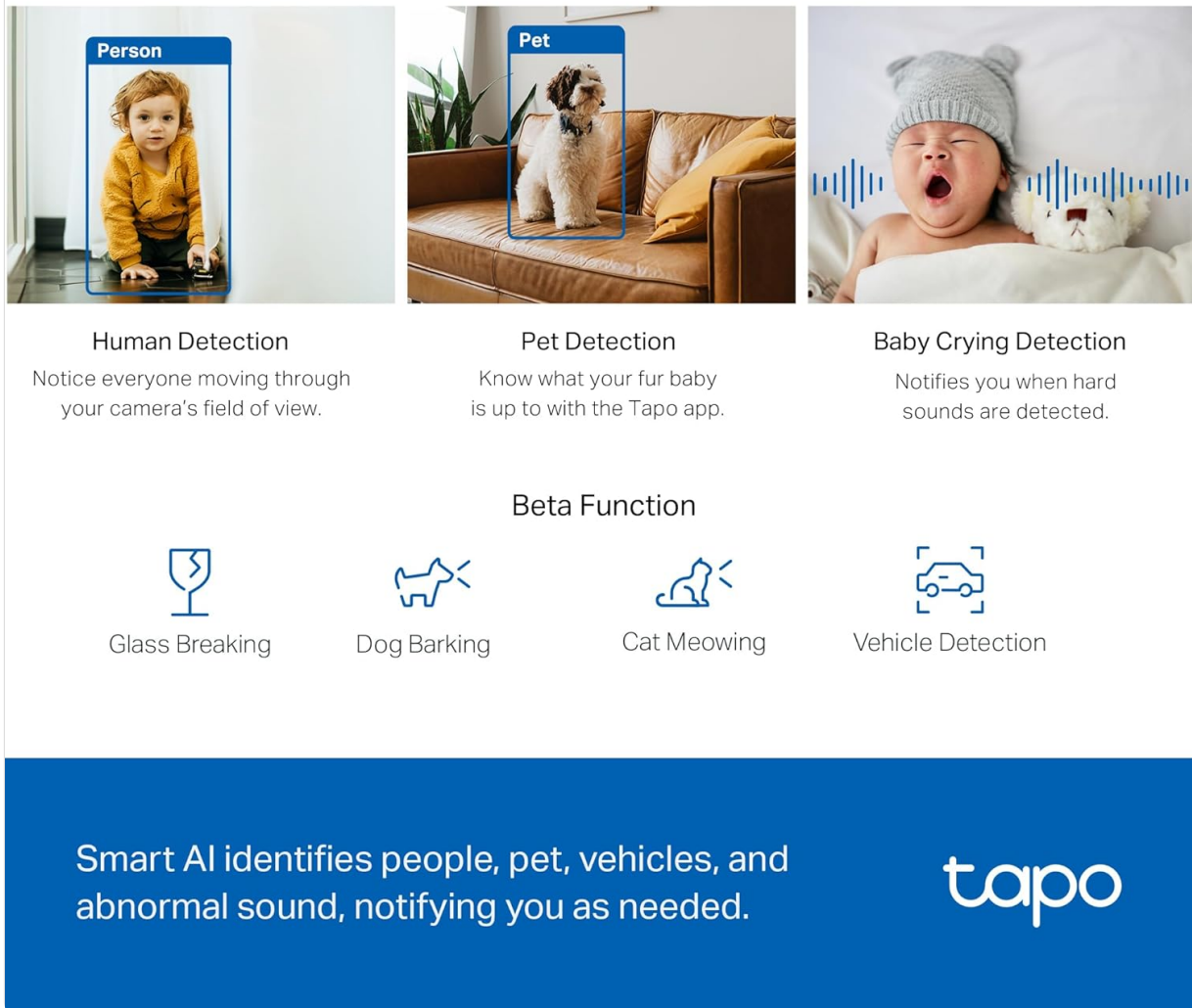
Figure 3.4: Rear view of the Tapo C220 camera.

## 4. Setup

Follow these steps to set up your Tapo C220 camera:

1. **Download the Tapo App:** Search for 'Tapo' in the Apple App Store or Google Play Store and install the application on your mobile device.
2. **Power On:** Connect the provided DC power adapter to the camera and plug it into a power outlet. Wait for the LED indicator to flash red and green.
3. **Add Device:** Open the Tapo app, log in or create a TP-Link ID. Tap the '+' icon to add a new device and select your Tapo C220 model. Follow the in-app instructions to connect the camera to your 2.4GHz Wi-Fi network.
4. **Mounting (Optional):** The camera can be placed on a flat surface or mounted to a wall or ceiling using the included mounting kit. Use the mounting template to mark drill holes, then secure the camera base with screws and attach the camera.

# Smart AI Detections



**Person**

**Pet**

**Human Detection**  
Notice everyone moving through your camera's field of view.

**Pet Detection**  
Know what your fur baby is up to with the Tapo app.

**Baby Crying Detection**  
Notifies you when hard sounds are detected.

**Beta Function**

Glass Breaking      Dog Barking      Cat Meowing      Vehicle Detection

Smart AI identifies people, pet, vehicles, and abnormal sound, notifying you as needed.

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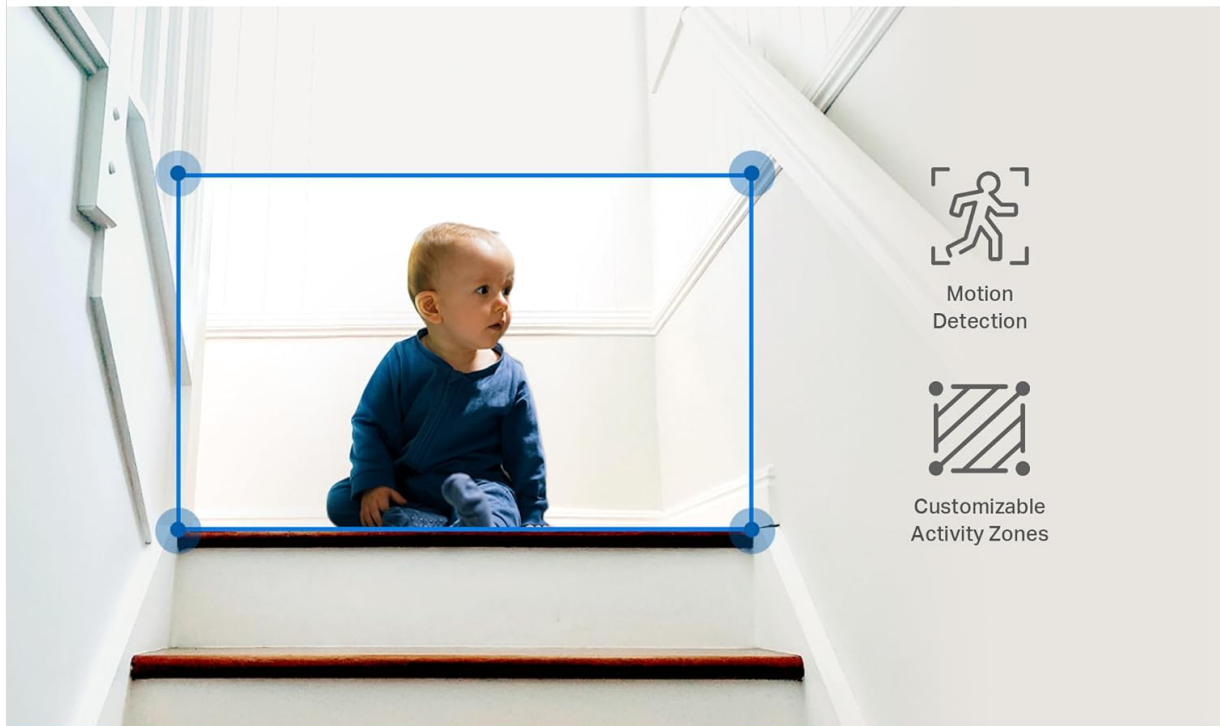
Figure 4.1: Example of setting up motion detection zones during initial configuration.

## 5. Operation

Once set up, you can control and monitor your Tapo C220 camera through the Tapo app:

- **Live View:** Access the live video feed from your camera anytime, anywhere.
- **Pan/Tilt Control:** Use the directional controls in the app to remotely rotate the camera 360° horizontally and 114° vertically, allowing you to view different areas of the room.
- **Two-Way Audio:** Tap the microphone icon in the app to speak through the camera's built-in speaker, or listen to audio from the camera's microphone.
- **Recording:** Record video clips manually or set up continuous recording to a microSD card (up to 512GB, sold separately) or subscribe to Tapo Care for cloud storage.
- **Privacy Mode:** Activate privacy mode via the app to physically close the camera lens, ensuring your privacy when needed.

# Motion Detection with Customizable Zones



Control what alerts you receive by creating multiple custom activity zones around areas that matter.

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Figure 5.1: Visual representation of the camera's pan and tilt range.

## Up, Down, All-around



Get the full picture of any space in your apartment, dorm or home with Tapo Pan Tilt. With a 360°horizontal view and 114°vertical view.

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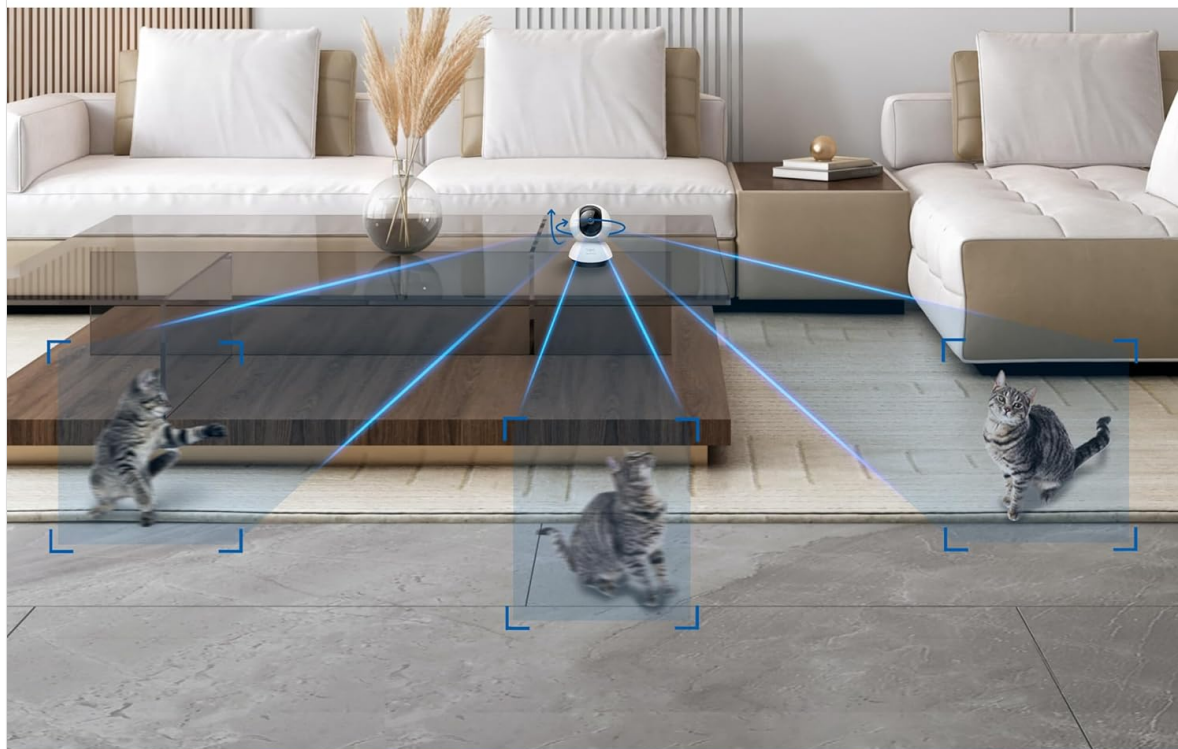
Figure 5.2: The camera's precise smart motion tracking in action.

### 6. Key Features

The Tapo C220 camera is equipped with several advanced features:

- **2K QHD High Definition:** Captures video at 2560 x 1440 pixels, providing clear and detailed images.

# Precise Smart Motion Tracking



When motion activity is detected, tracks and follows the subject to keep it within view.

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Figure 6.1: Clarity comparison of 2K QHD resolution.

- **Smart AI Detections:** Advanced algorithms detect and differentiate between people, pets, and baby crying. Beta functions include glass breaking, dog barking, cat meowing, and vehicle detection.
- **Motion Detection & Tracking:** Receive instant notifications when motion is detected. The camera can automatically track the moving subject to keep it in view. Customizable activity zones allow you to define specific areas for motion detection.
- **Night Vision:** Provides clear visibility up to 30 feet in low-light conditions, including color night vision for enhanced detail.
- **Flexible Storage:** Supports local storage on a microSD card (up to 512 GB) and optional cloud storage via Tapo Care subscription.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant for hands-free control and live stream viewing on smart displays.

## 7. Maintenance

To ensure optimal performance and longevity of your Tapo C220 camera:

- **Cleaning:** Gently wipe the camera lens and body with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Regularly check for and install firmware updates via the Tapo app to ensure your camera has the latest features and security enhancements.
- **Placement:** Place the camera in a location with stable Wi-Fi signal and away from direct sunlight or heat.

sources.

## 8. Troubleshooting

If you encounter issues with your Tapo C220 camera, refer to the following common solutions:

- **Camera Offline:**
  - Check if the power adapter is securely connected and the power outlet is working.
  - Ensure your Wi-Fi router is functioning correctly and the camera is within range.
  - Restart the camera by unplugging and replugging the power adapter.
- **Poor Video Quality:**
  - Ensure the camera lens is clean and free from dust or smudges.
  - Check your internet connection speed. A stable and fast connection is required for 2K QHD streaming.
  - Adjust the video quality settings in the Tapo app if your network bandwidth is limited.
- **Motion Detection Not Working:**
  - Verify that motion detection is enabled in the Tapo app settings.
  - Adjust the sensitivity level.
  - Ensure activity zones are correctly configured and cover the desired areas.
- **Two-Way Audio Issues:**
  - Check the volume settings on your mobile device and in the Tapo app.
  - Ensure there is no obstruction blocking the camera's microphone or speaker.
  - Test the feature in a quiet environment to rule out background noise interference.

## 9. Specifications

Feature	Detail
Model Name	Tapo C220
Video Capture Resolution	2K QHD (2560 x 1440 px)
Effective Still Resolution	4 MP
Pan Range	360 Degrees Horizontal
Tilt Range	114 Degrees Vertical
Night Vision Range	30 Feet (Night Color)
Connectivity Technology	Wi-Fi (2.4GHz), Ethernet
Storage Options	MicroSD Card (up to 512GB), Cloud Storage (Tapo Care)
Two-Way Audio	Yes
Motion Detection	Person, Pet, Baby Crying, Customizable Zones
Compatible Devices	iOS and Android, Amazon Alexa, Google Assistant

Feature	Detail
Indoor/Outdoor Usage	Indoor
Power Source	Corded Electric (9 watts)
Dimensions	3.36 x 3.42 x 4.63 inches
Manufacturer	TP-Link
UPC	840030705502

## 10. Support

For further assistance, technical support, or warranty information, please visit the official Tapo support website or contact their customer service. Keep your purchase receipt for warranty claims.