

Tapo Tapo C225

Tapo C225 2K QHD Pan/Tilt Wi-Fi Camera

Instruction Manual

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1. INTRODUCTION

The Tapo C225 is a 2K QHD Pan/Tilt Wi-Fi Camera designed for indoor surveillance and monitoring. Awarded the prestigious Red Dot Design Award in 2022, this camera combines advanced features with a user-friendly design. It offers a 360° horizontal field of view and 2K QHD live view, ensuring comprehensive coverage and crystal-clear image capture. Key features include an F1.6 large aperture for brighter visuals, an innovative Physical Privacy Mode, Smart AI detection for people, pets, vehicles, and abnormal sounds, customizable night vision with a starlight sensor, 2-Way Audio, and flexible local or cloud storage options. The Tapo C225 is compatible with Amazon Alexa, Apple HomeKit, and Google Assistant, integrating seamlessly into your smart home ecosystem.

2. WHAT'S IN THE BOX

Please verify that all components are present in your package:

- Tapo C225 Camera
- DC Power Adapter
- Mounting Template
- Quick Start Guide

3. PRODUCT OVERVIEW

The Tapo C225 camera features a compact dome design with pan/tilt capabilities. It includes a lens, status LED, microphone, speaker, and a physical privacy button. The base houses the power input and a microSD card slot for local storage.





Figure 3.1: Front view of the Tapo C225 camera, showing the lens, status LED, and privacy button. The camera is white with a black base and a red accent line.



Figure 3.2: Side view of the Tapo C225 camera placed on a white shelf, illustrating its compact size and design. A green plant is visible in the background.

4. SETUP

Follow these steps to set up your Tapo C225 camera:

1. **Download the Tapo App:** Search for 'Tapo' in the Apple App Store or Google Play Store and download the official application.
2. **Power On:** Connect the provided DC power adapter to the camera and plug it into a power outlet. Wait for the status LED to blink red and green, indicating it's ready for setup.
3. **Add Device:** Open the Tapo app, tap the '+' icon in the top right corner, and follow the on-screen instructions to add your Tapo C225 camera. Ensure your mobile device is connected to a 2.4GHz Wi-Fi network during setup.
4. **Mounting (Optional):** The camera can be placed on a flat surface or mounted to a wall or ceiling. Use the included mounting template and screws for secure installation. Ensure the mounting location provides a clear field of view and is within Wi-Fi range.

2K QHD + HDR Live View



Figure 4.1: Screenshot of the Tapo app interface guiding users through the camera setup process, including connecting to Wi-Fi.



Figure 4.2: Diagram illustrating various mounting options for the Tapo C225 camera, including wall and ceiling installation, with a focus on optimal placement.

5. OPERATING INSTRUCTIONS

Once your Tapo C225 camera is set up, you can utilize its various features through the Tapo app.

5.1 Live View and Recording

Access real-time video streams and recorded footage in 2K QHD resolution. The F1.6 large aperture and 5-layer lens ensure bright and clear images, even in challenging lighting conditions. The camera provides an incredibly smooth 30 frames per second (FPS) picture.

Sound and Light Alarm

Trigger sounds and light as an alarm when motion is detected.



Figure 5.1: Visual comparison demonstrating the superior clarity of 2K QHD live view (left) versus 2K 3MP (right), highlighting the enhanced detail captured by the Tapo C225.

Flexible Storage Choice

Save recorded videos on a MicroSD Card†(up to 512 GB) or by using Tapo Care** cloud storage services.



Figure 5.2: Infographic illustrating the technical specifications contributing to the camera's high-quality 2K QHD live view, including F1.6 aperture, 5-layer lens, starlight sensor, and 30 FPS.

5.2 Pan/Tilt and Motion Tracking

The camera offers a 360° horizontal field of view, allowing you to remotely pan and tilt the lens to monitor different areas of your room. With fast motion tracking at 120°/s, the camera can automatically follow detected subjects, ensuring they remain in view.

Smart AI Detection and Notification

Smart AI identifies people, pets, and vehicles while recognizing a baby crying and other sounds, notifying users as needed.

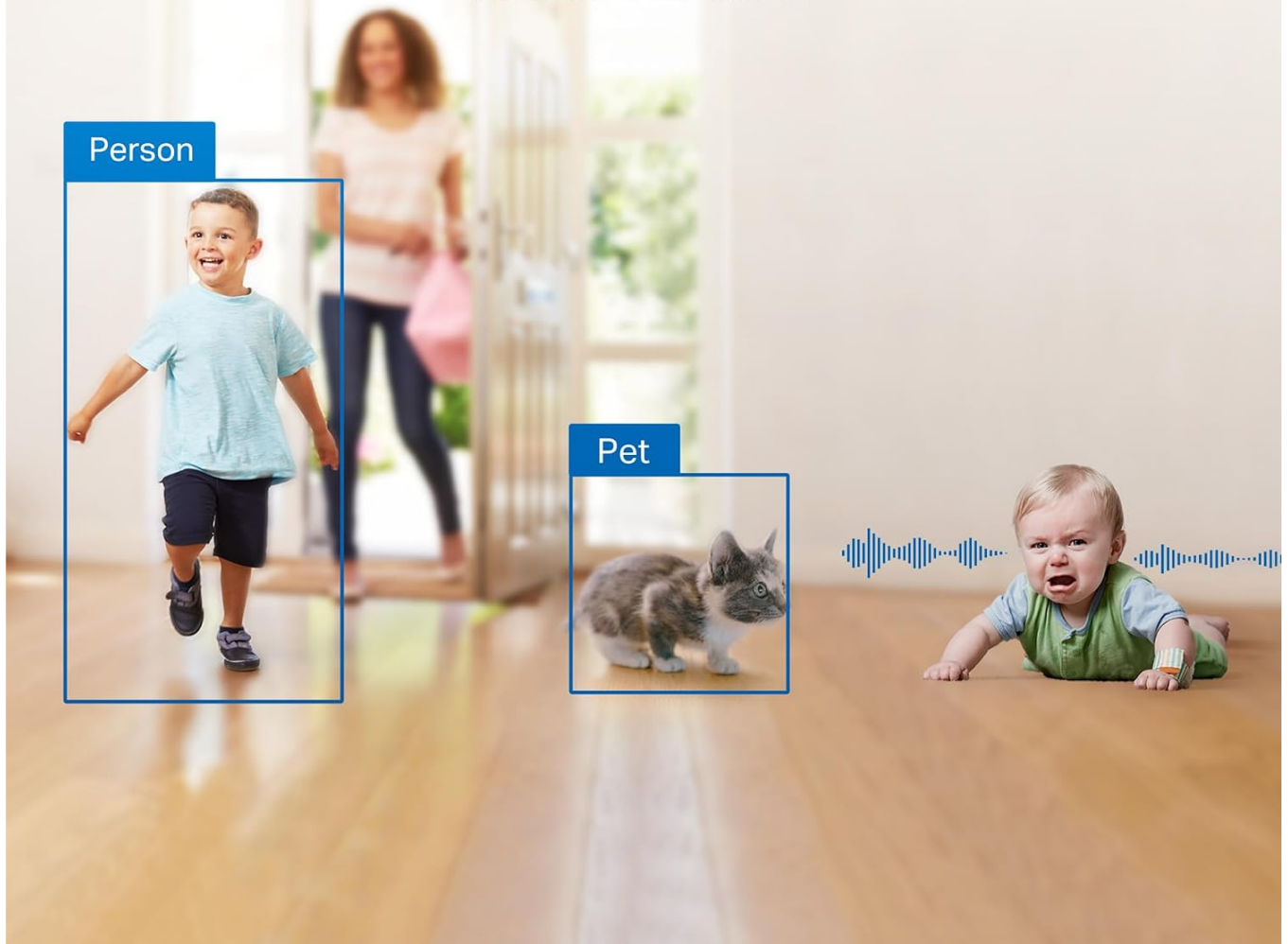


Figure 5.3: The Tapo C225 camera actively tracking the movement of cats across a living room, demonstrating its motion tracking capabilities.

IR Light Toggle (Red Lights)

Switch to the 940nm invisible IR mode to remove the red lights that can distract people or pets at night.



Figure 5.4: A panoramic view of a house interior, illustrating the extensive 360-degree coverage provided by the Tapo C225 camera from a central position.

5.3 Physical Privacy Mode

For enhanced privacy, the Tapo C225 features a Physical Privacy Mode. With a single tap in the Tapo app, the camera's housing cleverly blocks the lens, ensuring your home privacy is maintained when desired.

Starlight Sensor

The highly-sensitive starlight sensor captures higher-quality images even in low-light conditions.

With Starlight Sensor

Without Starlight Sensor

*Photo Enhanced to Amplify Feature.

Figure 5.5: The Tapo C225 camera on a coffee table, with its lens physically concealed, demonstrating the privacy mode feature.

IR Light Toggle (Red Lights)

Switch to the 940nm invisible IR mode to remove the red lights that can distract people or pets at night.

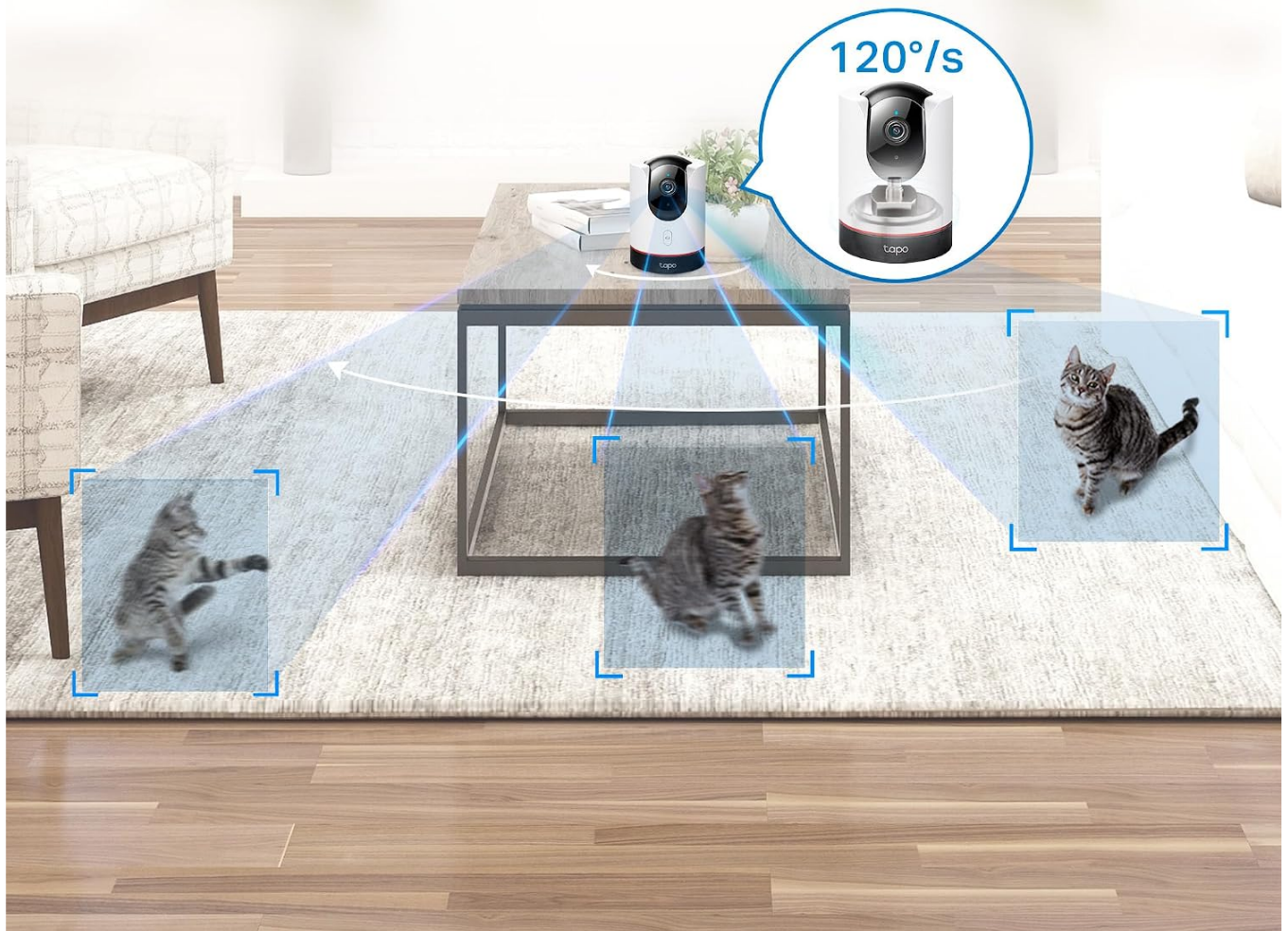


Figure 5.6: Infographic detailing the 'Complete Privacy via Lens Conceal' feature, showing how the camera's lens is physically blocked with the press of a button.

5.4 Night Vision

The Tapo C225 offers customizable night vision with both 850nm and 940nm IR LEDs. The 940nm invisible IR mode is ideal for discreet monitoring, such as baby monitoring, as it removes visible red lights. Equipped with a high-sensitivity starlight sensor, the camera delivers superior image quality even in extremely low-light conditions.

2K QHD + HDR Live View

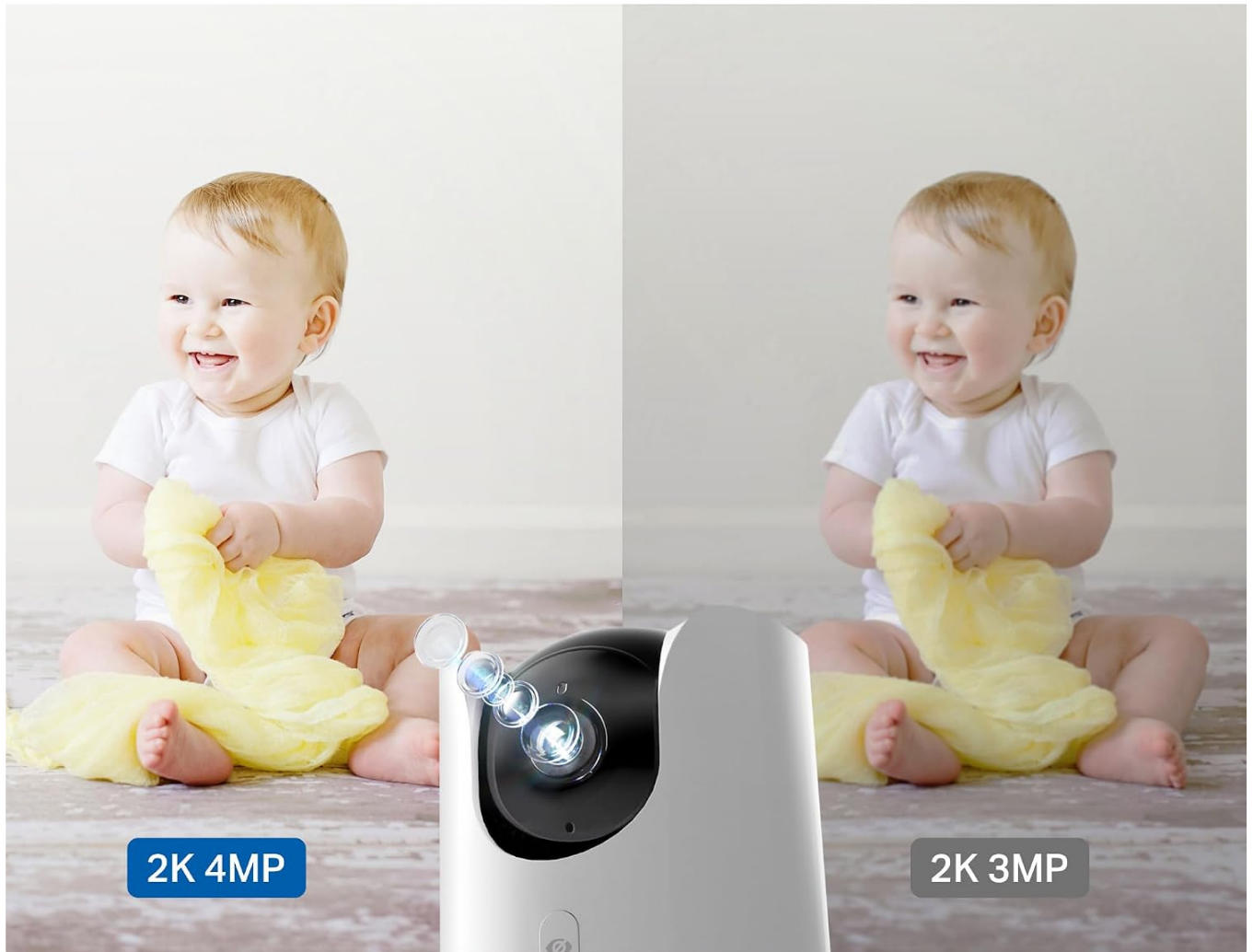


Figure 5.7: Visual comparison between 850nm IR LED (left) and 940nm Invisible IR LED (right) night vision modes, showing the absence of visible red lights in the 940nm mode.



Figure 5.8: A comparison showing the enhanced image quality in low-light conditions when using the starlight sensor (left) versus without it (right).

5.5 Smart AI Detection & Notifications

The advanced AI technology accurately identifies people, pets, and vehicles. It also recognizes abnormal sounds, such as a baby crying. You will receive instant push notifications on your mobile device when any unusual activities or sounds are detected, keeping you informed about what's happening at home.

Smart AI Detection and Notification

Smart AI identifies people, pets, and vehicles while recognizing a baby crying and other sounds, notifying users as needed.

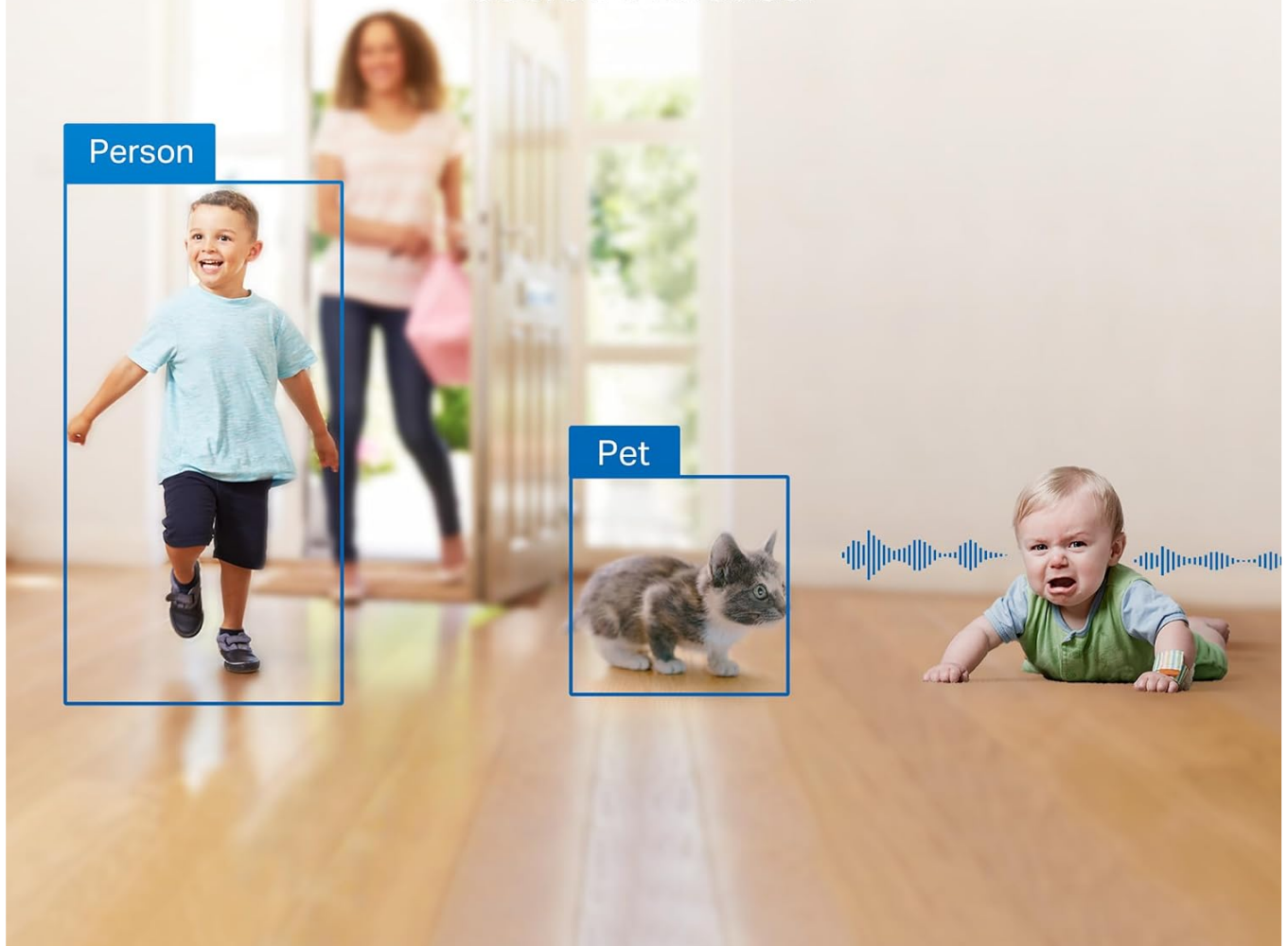


Figure 5.9: The Tapo C225's Smart AI in action, accurately identifying a person, a pet, and detecting the sound of a baby crying, with corresponding notifications.



Figure 5.10: The Tapo C225 camera activating a sound and light alarm when motion is detected, serving as a deterrent against intruders.

5.6 2-Way Audio

The integrated microphone and speaker allow for two-way communication. You can listen in on your environment and speak through the camera, which is useful for communicating with family members, pets, or deterring unwanted visitors.

5.7 Storage Options

The Tapo C225 offers flexible storage solutions for your recorded videos:

- **Local Storage:** Save footage continuously on a microSD card (up to 512 GB, not included). The camera supports loop recording, overwriting older footage when the card is full.
- **Cloud Storage:** Subscribe to Tapo Care for cloud storage, which typically saves a 30-day video history and provides additional benefits like motion tracking and baby crying detection.

Flexible Storage Choice

Save recorded videos on a MicroSD Card†(up to 512 GB) or by using Tapo Care** cloud storage services.

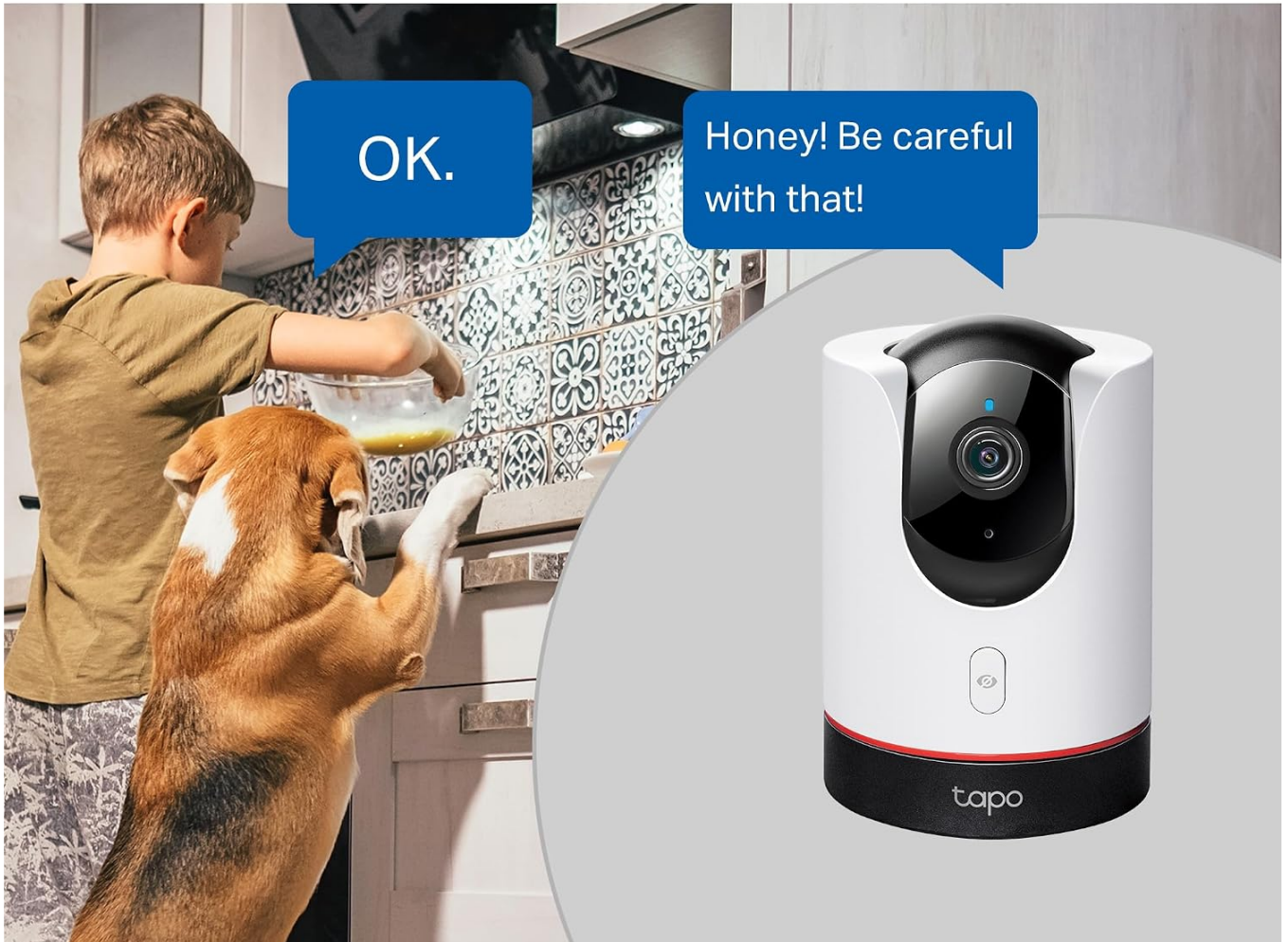


Figure 5.11: A boy and a dog in a kitchen, illustrating the two-way audio feature of the Tapo C225 camera, with speech bubbles indicating communication.

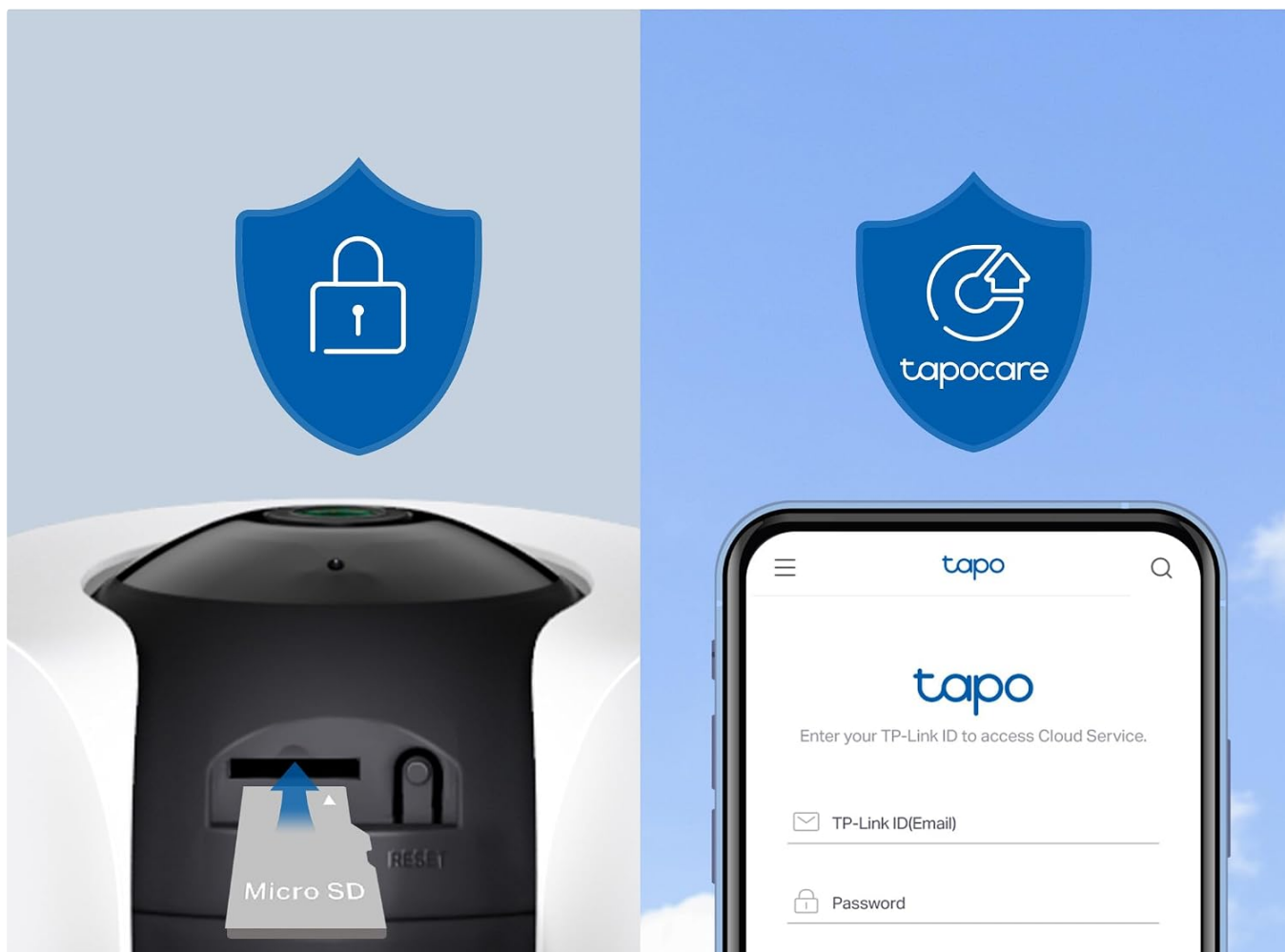


Figure 5.12: A visual representation of the Tapo C225's flexible storage options, highlighting both the microSD card slot for local storage and the Tapo Care cloud service.

5.8 Smart Home Integration

The Tapo C225 seamlessly integrates with popular smart home platforms:

- **Amazon Alexa:** Control your camera with voice commands.
- **Apple HomeKit:** Integrate with your Apple Home ecosystem for secure video and automation.
- **Google Assistant:** Use voice commands to view live feeds on compatible devices.

6. MAINTENANCE

To ensure optimal performance and longevity of your Tapo C225 camera, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the camera lens and body with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials that could damage the surface or lens.
- **Firmware Updates:** Regularly check for and install firmware updates through the Tapo app. These updates often include performance improvements, new features, and security enhancements.
- **Placement:** Ensure the camera is placed in a stable location, away from direct sunlight, extreme temperatures, and high humidity.

7. TROUBLESHOOTING

If you encounter issues with your Tapo C225 camera, refer to the following common solutions:

- **Camera Offline:**

- Check if the camera is powered on and the power adapter is securely connected.
- Ensure your Wi-Fi network is active and the camera is within range.
- Restart the camera by unplugging and replugging the power adapter.
- Verify your Wi-Fi password in the Tapo app settings.

- **Poor Video Quality:**

- Ensure the camera lens is clean and free from dust or smudges.
- Check your Wi-Fi signal strength; a weak signal can affect streaming quality.
- Adjust the camera's position to avoid glare or strong backlighting.

- **Clicking Sound When Switching Modes:**

- A slight clicking sound is normal when the camera switches between day and night vision modes. This is the sound of the IR-cut filter engaging or disengaging.

- **Motion Detection Not Working:**

- Ensure motion detection is enabled in the Tapo app settings.
- Adjust the sensitivity level and activity zones to suit your environment.
- Clear any obstructions in the camera's field of view.

- **MicroSD Card Not Detected:**

- Ensure the microSD card is inserted correctly.
- Format the microSD card through the Tapo app.
- Verify the microSD card's compatibility with the Tapo C225 on the TP-Link website.

For more detailed troubleshooting or specific issues, refer to the FAQ section within the Tapo app or visit the official TP-Link support website.

8. SPECIFICATIONS

Feature	Specification
Model Name	Tapo C225
Indoor/Outdoor Usage	Indoor
Video Capture Resolution	2K QHD
Field Of View	360 Degrees (Pan/Tilt)
Connectivity Protocol	Wi-Fi (2.4GHz Band)
Controller Type	Amazon Alexa, Apple HomeKit, Google Assistant
Power Source	Corded Electric
Wattage	9 watts

Feature	Specification
Dimensions (L x W x H)	3.15 x 3.15 x 4.41 inches
Item Weight	11.3 ounces (0.32 Kilograms)
Storage	MicroSD (up to 512 GB), Cloud (Tapo Care)
Special Features	2-Way Audio, HD Resolution, Motion Sensor, Night Vision, Physical Privacy Mode, Smart AI Detection
UPC	840030710957

9. WARRANTY INFORMATION

Tapo products, manufactured by TP-Link, typically come with a limited warranty. For specific warranty terms, conditions, and duration applicable to your Tapo C225 camera, please refer to the warranty card included in your product packaging or visit the official TP-Link website. Keep your purchase receipt as proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, product inquiries, or support, please contact TP-Link customer service:

- **Phone Support:** (866) 225-8139
- **Website:** myproducts.tp-link.com/us
- **Email Support:** support.USA@tp-link.com

You can also find additional resources, FAQs, and troubleshooting guides on the official Tapo support pages.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question