

Tapo Tapo D230S1

Tapo D230S1 Smart Video Doorbell Camera User Manual

MODEL: TAPO D230S1

Battery Powered, with Chime Included

1. Introduction

The Tapo D230S1 Smart Video Doorbell Camera provides comprehensive security and convenience for your home's entrance. Featuring a 2K 5MP resolution and a starlight sensor, it captures clear details even in low-light conditions. Its ultra-wide 160° diagonal field of view ensures a head-to-toe perspective of visitors. Equipped with a rechargeable battery designed for extended usage, smart AI detection for people and vehicles, two-way audio, and flexible storage options, the Tapo D230S1 keeps you informed and connected. The included chime ensures you're alerted indoors, and its IP64 rating provides water and dust resistance for reliable outdoor performance.

2. What's in the Box

Verify that all components are present in your package:

- Tapo Video Doorbell (x1)
- Tapo H200 Hub (x1)
- Tapo A100 Battery (x1)
- DC Power Adapter (x1)
- USB Adapter (x1)
- USB Adapter Cable (x1)
- RJ45 Ethernet Cable (x1)
- Inclined Mounting Templates (x1)
- Mounting Templates (x2)
- Mounting Brackets (x1)

- 15° Mounting Wedge (x1)
- Doorbell Detaching Pin (x1)
- Screws and Anchors (x2 sets)
- Quick Start Guide (x1)



Image: Tapo D230S1 Video Doorbell and Chime. The image shows the white and black doorbell unit alongside the white indoor chime unit.

3. Setup Guide

3.1 Initial Battery Charge

Before installation, fully charge the Tapo A100 Battery using the provided USB adapter and cable. A full charge ensures optimal performance and battery life.

3.2 Download the Tapo App

Download the Tapo app from your device's app store (iOS or Android). Create an account or log in if you already have one.

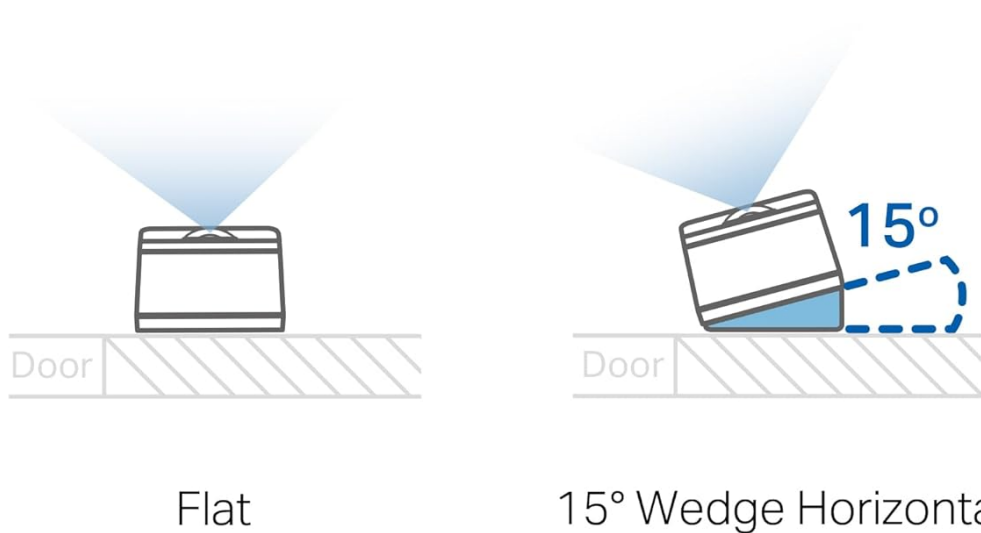
3.3 Pairing and Installation

Follow the in-app instructions to pair your Tapo D230S1 doorbell and H200 Hub. The app will guide you through the process, including connecting the hub to your home network via Wi-Fi or Ethernet.

3.4 Mounting the Doorbell

Choose a suitable mounting location near your door. The doorbell can be mounted flat or using the included 15° mounting wedge to adjust the viewing angle for optimal coverage. Use the provided mounting templates, screws, and anchors for secure installation. Ensure the doorbell is within Wi-Fi range of your Tapo H200 Hub.

Flexible Placement, Flexible Views



Different wedge choices give users possibilities to make the doorbell suits more placement scenarios. Users can also use the wedges to adjust the views.

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Image: Flexible Placement with Mounting Wedges. This image illustrates how the doorbell can be mounted flat or with a 15-degree wedge for horizontal adjustment, allowing for flexible viewing angles.

4. Key Features

4.1 2K+/5MP Live View

Experience crystal-clear live video streaming directly from your doorbell to the Tapo app. The 2K 5MP resolution ensures you can see fine details, even in challenging lighting conditions, providing a sharp and clear view of your doorstep at all times.

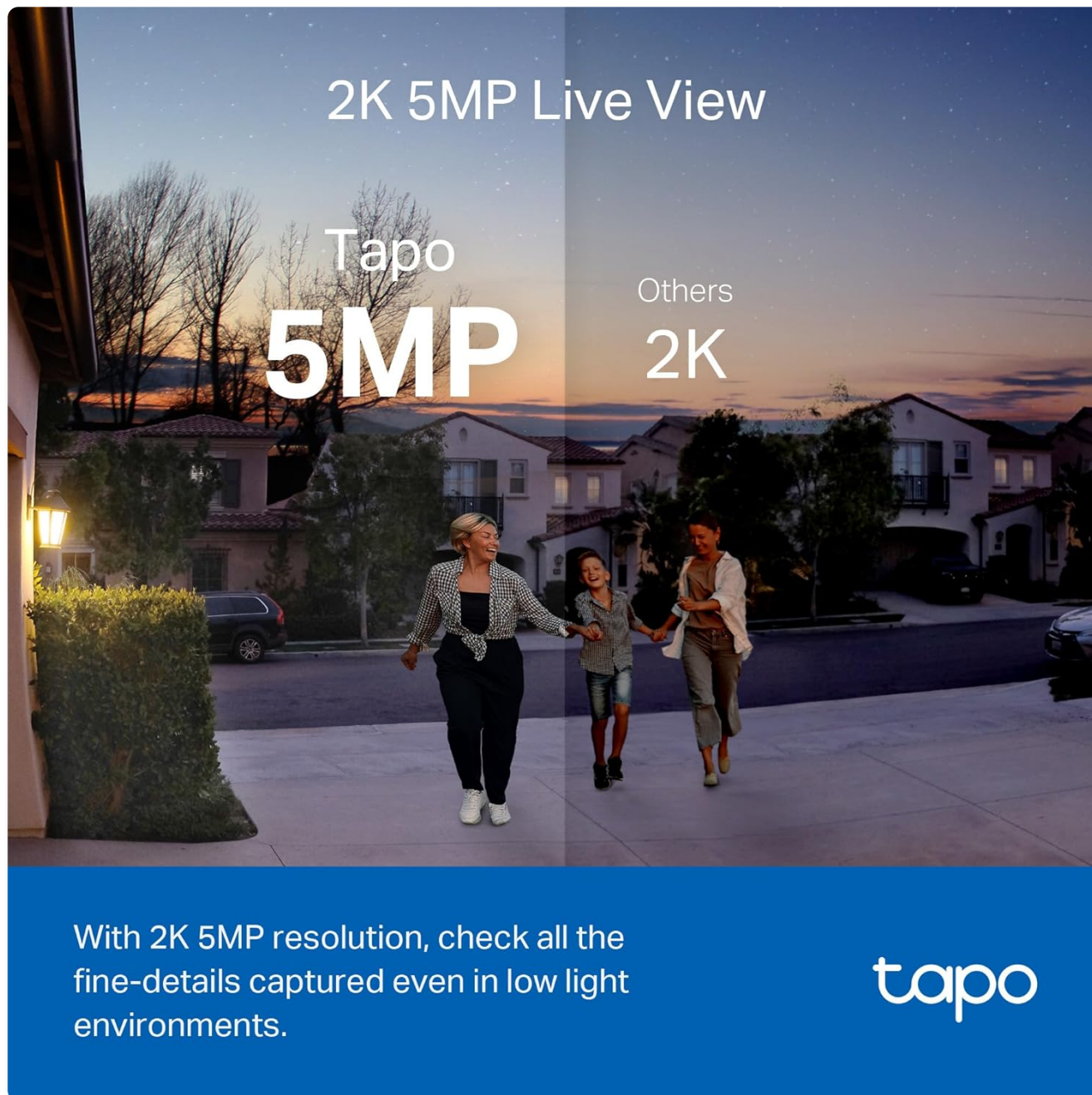


Image: 2K 5MP Live View comparison. This image demonstrates the superior clarity of Tapo's 5MP resolution compared to standard 2K, showing a family walking in front of a house.

4.2 Color Night Vision

The integrated spotlight and starlight sensor enable the Tapo D230S1 to capture high-fidelity details and full-color images even in complete darkness. This provides a more accurate and informative view of nighttime activity compared to traditional black-and-white night vision.



Color Night Vision

With the spotlight and starlight sensor, it reveals high-fidelity details and color at night.

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Image: Color Night Vision feature. A person is shown waving in a dimly lit outdoor setting, highlighting the doorbell's ability to capture color at night.

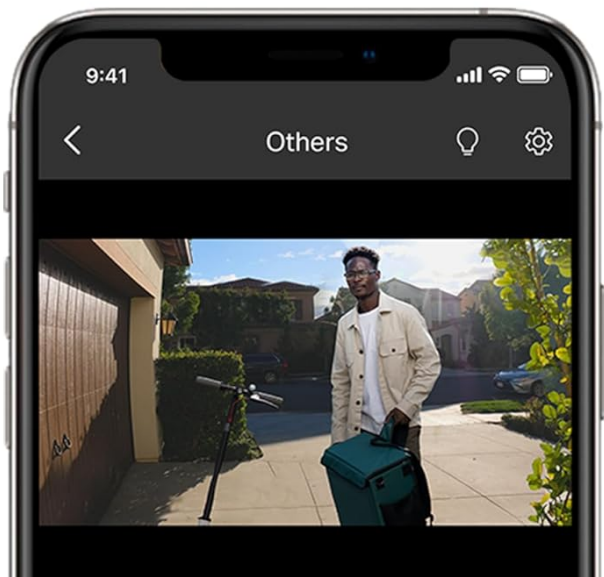
4.3 Head-to-Toe View (160° Diagonal FOV)

With an ultra-wide 160° diagonal field of view and a 4:3 aspect ratio, the Tapo D230S1 provides a comprehensive head-to-toe view of visitors, even those standing very close to the doorbell (as close as 1 meter). This captures more vertical detail than standard 16:9 doorbells.

Head-to-Toe View



Tapo 4:3 with 160° Diagonal FOV



Others 16:9

With the camera's ultra-wide FOV, Tapo live view ensures users can check visitors from head-to-toe.

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Image: Head-to-Toe View feature. Two smartphone screens compare the view from Tapo D230 (4:3 aspect ratio) and other 16:9 doorbells, showing Tapo's wider vertical coverage.

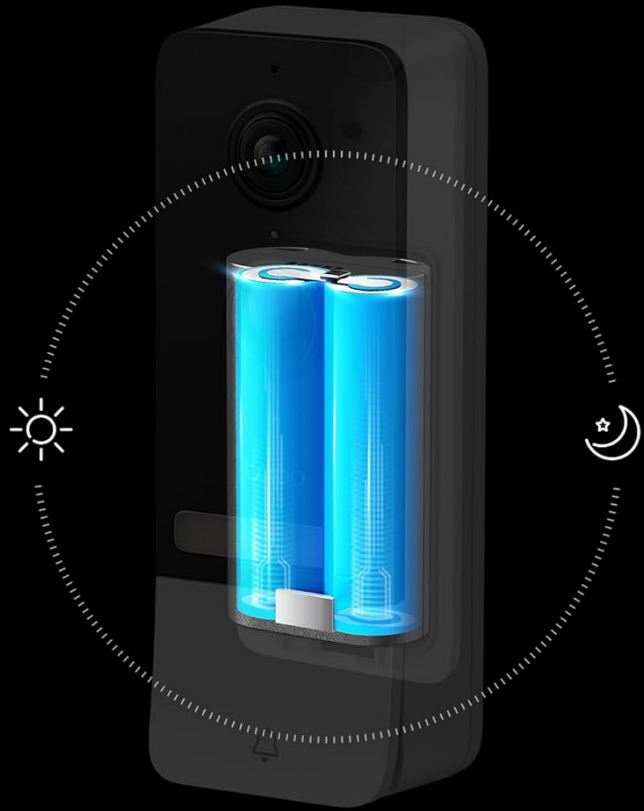
4.4 Longer Battery Life

The rechargeable and removable 6700 mAh battery, combined with a low-power protocol, significantly extends the doorbell's operational time, reducing the frequency of recharges. Battery life can last up to 180 days depending on usage and trigger frequency.

Longer Battery Life

6700 mAh

Working for 180 days[†]



The rechargeable and removable battery with a low-power protocol extends your usage.

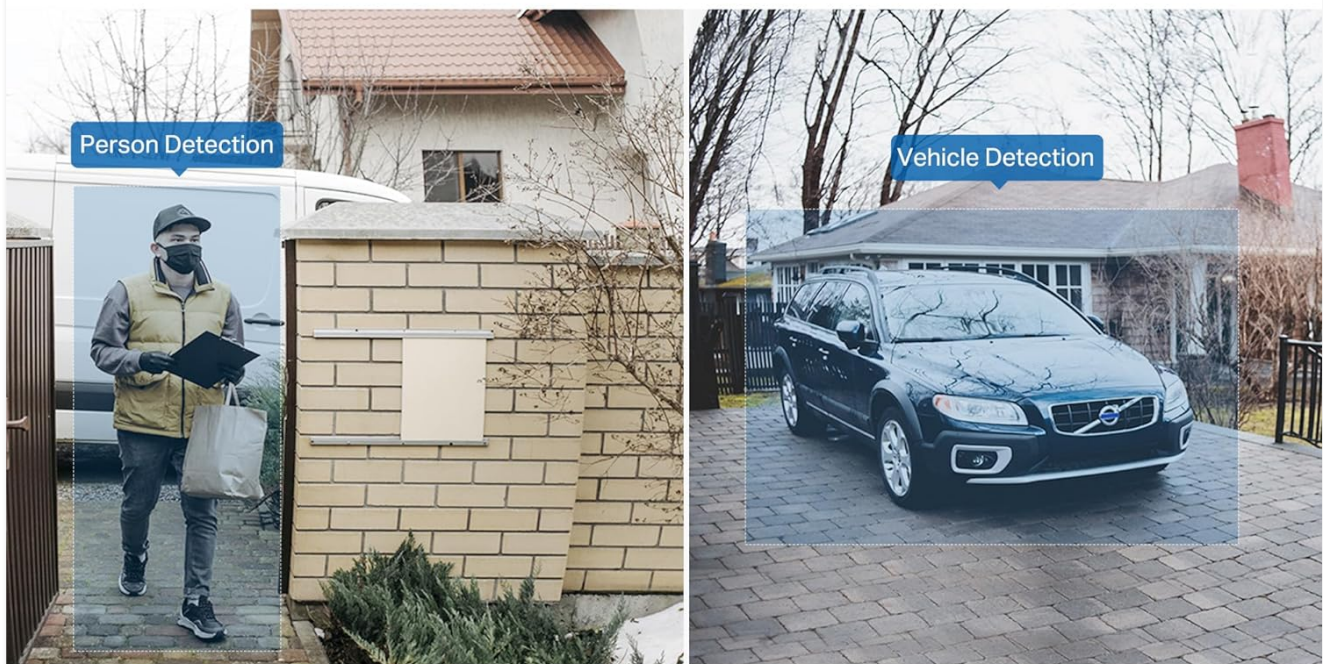
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Image: Longer Battery Life (6700 mAh). An illustration shows the doorbell with a battery icon and text indicating 6700 mAh capacity and 180 days of working time.

4.5 Smart AI Detection and Notification

Advanced AI algorithms intelligently identify people and cars, minimizing false alerts from irrelevant motion. You receive precise notifications only when genuinely important activity is detected, allowing for more effective monitoring.

Person and Vehicles Detection



Powerful AI identifies people or vehicles, notifying users with filtered notifications.

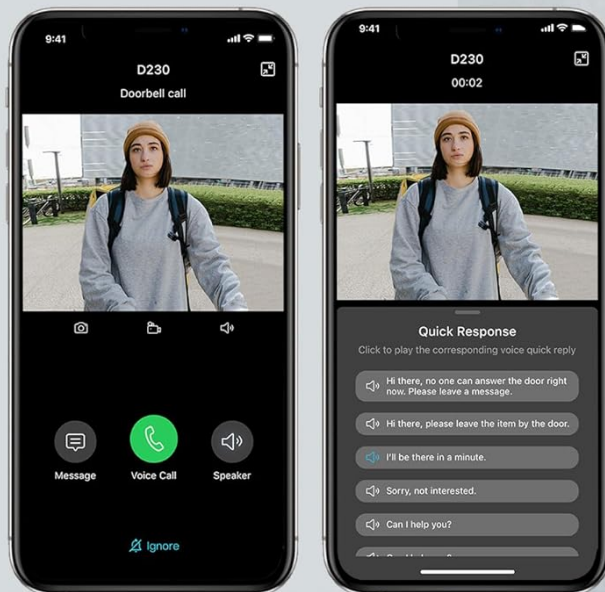
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Image: Person and Vehicles Detection. The image shows two scenes: one with a person detected at a gate and another with a vehicle detected in a driveway, illustrating the AI detection capabilities.

4.6 Two-Way Audio and Quick Response

Communicate directly with visitors or delivery personnel using the built-in two-way audio feature via the Tapo app. For quick interactions, utilize pre-recorded quick responses to address common situations without needing to speak live.

Multiple Ways to Answer



Two-Way Audio

or

Quick Response

Hello? Your package arrived.

With two-way audio or a recorded quick response, communicate directly with your deliveries through the Tapo app.

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Image: Multiple Ways to Answer (Two-Way Audio, Quick Response). This image displays smartphone screens showing options for two-way audio and quick responses, with a person receiving a package at a door.

4.7 Indoor Chime Provided

The included indoor chime ensures you hear the doorbell ring from anywhere in your home. Choose from a variety of ringtones to customize your alert experience.

Indoor Chime Provided



Choose from a variety of ringtones to get alerted immediately when you are at home.

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Image: Indoor Chime. A person is shown pressing the doorbell button, with the indoor chime unit emitting sound waves, while a parent holds a baby, indicating the chime's function within the home.

4.8 Flexible Storage Choices

Recorded videos can be securely saved on a microSD card (up to 512 GB) installed in the Tapo H200 Hub. Alternatively, you can opt for Tapo Care cloud storage services for convenient remote access and backup.

Flexible Storage Choices



Save recorded videos on the hub-installed microSD card^s (up to 512 GB) or by using Tapo Care[^] cloud storage services.

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Image: Flexible Storage Choices (MicroSD). The image highlights the microSD card slot on the Tapo Hub, with a microSD card being inserted, emphasizing local storage capability.

4.9 Anti-Theft Alarm Function

The doorbell is equipped with an anti-theft alarm that triggers an alert if someone attempts to remove the device from its mounting bracket. This provides an additional layer of security for your doorbell.

Anti-Theft Alarm



Be alerted when someone trying to take the doorbell off with anti-theft alarm function.

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Image: Anti-Theft Alarm. A hand is shown attempting to detach the doorbell from its mount, with an alarm icon and sound waves indicating the anti-theft feature.

5. Operating Your Tapo D230S1

5.1 Live View and Two-Way Communication

Open the Tapo app and select your doorbell to access the live video feed. From here, you can initiate two-way audio by tapping the microphone icon to speak with visitors, or select from pre-recorded quick responses.

5.2 Receiving Notifications

When motion is detected or the doorbell button is pressed, you will receive instant notifications on your smartphone via the Tapo app. You can customize notification settings, including detection zones and sensitivity, within the app.

5.3 Accessing Recorded Footage

Recorded events are stored on the microSD card in your Tapo H200 Hub or in the Tapo Care cloud (if subscribed). Access and review these recordings through the playback feature in the Tapo app's timeline.

5.4 Integration with Smart Home Systems

The Tapo D230S1 is compatible with Amazon Alexa and Google Assistant. Follow the instructions in the Tapo app or your smart home assistant's app to link your devices and enable voice control or integrate into routines.

6. Maintenance

6.1 Battery Care

To maximize battery life, avoid exposing the doorbell to extreme temperatures. Recharge the battery promptly when the low battery notification appears in the Tapo app. The removable battery allows for convenient charging indoors.

6.2 Cleaning

Periodically clean the doorbell's lens and exterior with a soft, damp cloth to ensure clear video quality and proper sensor function. Do not use harsh chemicals or abrasive materials.

6.3 Weather Resistance

The Tapo D230S1 features an IP64 water and dust resistance rating, meaning it is protected against dust ingress and splashing water from any direction. While designed for outdoor use, extreme weather conditions may still impact performance or longevity.

7. Troubleshooting

7.1 No Live View or Offline Status

- **Check Wi-Fi Connection:** Ensure your Tapo H200 Hub is connected to a stable 2.4GHz Wi-Fi network.
- **Power Supply:** Verify the H200 Hub is powered on.
- **Doorbell Battery:** Confirm the doorbell battery is charged and properly inserted.
- **Signal Strength:** Move the doorbell closer to the hub or consider a Wi-Fi extender if signal is weak.

7.2 Poor Video Quality

- **Clean Lens:** Gently clean the camera lens with a soft cloth.
- **Network Speed:** Ensure your internet connection meets the requirements for 2K streaming.
- **Lighting:** Adjust the doorbell's position if direct sunlight or strong backlighting is causing issues.

7.3 Excessive or Missed Notifications

- **Adjust Sensitivity:** In the Tapo app, modify the motion detection sensitivity settings.
- **Detection Zones:** Set up specific detection zones to monitor only relevant areas.
- **AI Detection:** Ensure AI detection for people/vehicles is enabled to filter out unwanted alerts.

7.4 Chime Not Ringing

- **Hub Power:** Ensure the Tapo H200 Hub is powered on and connected.
- **Volume:** Check the chime volume settings in the Tapo app.
- **Pairing:** Re-pair the doorbell with the hub if necessary.

8. Specifications

Feature	Detail
Model Name	Tapo D230S1
Video Capture Resolution	2K 5MP
Field Of View	160 Degrees (Diagonal)
Power Source	Battery Powered (2 Lithium Ion batteries included)
Battery Capacity	6700 mAh (up to 180 days usage)
Connectivity Protocol	Wi-Fi (2.4GHz)
Storage	MicroSD Card (up to 512 GB on Hub), Tapo Care Cloud Storage
Water Resistance Level	IP64
Dimensions (L x W x H)	5.75 x 2.15 x 1.4 inches
Item Weight	8.8 ounces (250 Grams)
Color	White
Material	Plastic
Compatible Devices	Smartphone, Tablet
Controller Type	Amazon Alexa, Google Assistant
Special Features	2-Way Audio, HD Resolution, Head-To-Toe View, Night Vision, Smart AI Detection, Anti-Theft Alarm

9. Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product or visit the official Tapo/TP-Link website. If you encounter any issues or require technical assistance, please contact Tapo support:

Phone: (866) 225-8139

Website: myproducts.tp-link.com/us

Email: support.USA@tp-link.com

Information in this manual is subject to change without notice. Please refer to the latest version available on the manufacturer's website.