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› visiPower 4.3" Smart WiFi Video Doorbell Cat Eye Camera User Manual (Model C85)

visiPower C85

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Model: C85

1. INTRODUCTION

Thank you for choosing the visiPower 4.3" Smart WiFi Video Doorbell Cat Eye Camera. This manual provides detailed instructions for the installation, operation, and maintenance of your new device. Please read this manual thoroughly before use to ensure proper functionality and to maximize your product experience. Keep this manual for future reference.

2. PACKAGE CONTENTS

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

- Cat eye doorbell camera x1
- Monitoring panel x1
- User manual x1

3. PRODUCT OVERVIEW

The visiPower Smart WiFi Video Doorbell system consists of an outdoor cat eye camera unit and an indoor monitoring panel. Familiarize yourself with the components and their functions.



Figure 3.1: The visiPower Smart WiFi Video Doorbell system, featuring the indoor monitoring panel and the outdoor cat eye camera unit.



Figure 3.2: Key features of the visiPower Smart Video Doorbell, including 170-degree wide-angle lens, night vision, LCD color screen, and easy installation.



Figure 3.3: Dimensions of the visiPower Smart Video Doorbell components for installation planning.

4. SETUP AND INSTALLATION

4.1. Physical Installation

1. **Prepare the Door:** Ensure your door thickness is between 1.2 inches (30mm) and 2.4 inches (60mm). The existing peephole hole should be suitable for the camera unit.
2. **Mount the Outdoor Camera:** Insert the cat eye doorbell camera unit into the peephole from the outside of the door. Ensure it is securely seated.
3. **Install the Indoor Monitor:** From the inside, connect the cable from the outdoor unit to the designated port on the monitoring panel. Secure the monitoring panel to the door using the provided mounting hardware.

4.2. App Download and Pairing

1. **Download the App:** Search for "TUYA Smart" in your mobile device's app store (iOS or Android) and download the application.
2. **Create Account:** Open the TUYA Smart app and follow the on-screen instructions to create a new user account or log in if you already have one.
3. **Add Device:** In the app, tap the "+" icon to add a new device. Select "Video Surveillance" > "Smart Doorbell" or scan the QR code on the device/manual if available.
4. **Connect to Wi-Fi:** Follow the app's instructions to connect your doorbell camera to your 2.4GHz Wi-Fi network. Ensure your phone is connected to the same 2.4GHz network during the pairing process.
5. **Complete Setup:** Once connected, you can name your device and begin configuring settings within the app.

5. OPERATING INSTRUCTIONS

5.1. Using the 4.3" HD Display

The indoor monitoring panel features a 4.3-inch IPS touchscreen display. When someone presses the doorbell or motion is detected, the screen will activate, showing a live view from the outdoor camera. You can also manually activate the screen to view outside.

5.2. 2-Way Audio Communication

When a visitor presses the doorbell, you can communicate with them directly through the indoor monitor or via the TUYA Smart app on your smartphone. Tap the microphone icon on the screen or in the app to speak, and the built-in microphone and speaker will facilitate the conversation.

5.3. PIR Motion Detection and Alerts

The integrated PIR sensor detects human movement within approximately 16 feet (5 meters). Upon detection, the device will automatically capture a snapshot or record a video and send an instant push notification to your TUYA Smart app. You can adjust motion detection sensitivity in the app settings.

IAutomatically Sense and Capture Motioninthe Field of View

It sends real-time alerts to your phone through the Tuya app, allowing you to monitor home safety anytime, anywhere



Figure 5.1: Diagram illustrating the PIR motion detection range of the visiPower Smart Video Doorbell.

5.4. Night Vision

The doorbell camera is equipped with infrared LEDs for night vision, providing clear visibility in low-light conditions or complete darkness, up to 16 feet (5 meters). This ensures 24/7 monitoring capabilities.

Diagonal 167 °/horizontal 138° visual angle

167° professional-grade wide-angle surveillance lens with clear insight into the details outside the door.

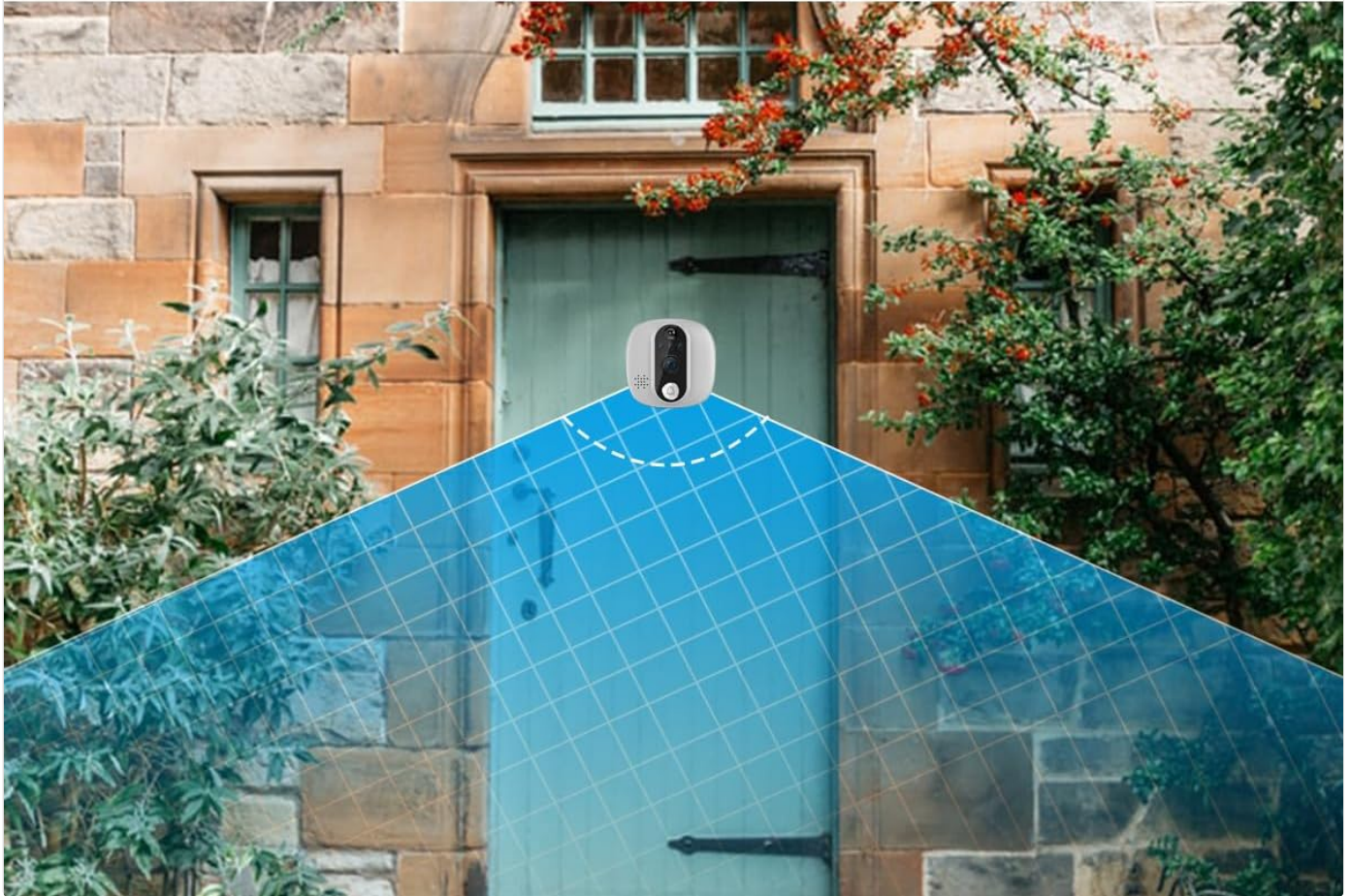


Figure 5.2: Comparison showing clear visibility provided by infrared night vision during both day and night.

5.5. Local Storage

The device supports a MicroSD card (8GB-128GB, not included) for local storage of recorded videos and snapshots. Insert the MicroSD card into the designated slot on the indoor monitoring panel. Recordings can be reviewed through the TUYA Smart app.

6. MAINTENANCE

6.1. Battery Charging

The indoor monitoring panel has a built-in 5000mAh rechargeable battery. When the battery level is low, a notification will appear on the screen and in the app. Charge the device using the provided Micro USB cable and a standard 5V USB power adapter (not included).

6.2. Cleaning

To maintain optimal performance, periodically clean the camera lens and the display screen with a soft, dry, lint-free cloth. Avoid using abrasive cleaners or solvents that could damage the surfaces.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low or depleted battery.	Charge the device using the Micro USB cable.
Cannot connect to Wi-Fi.	Incorrect Wi-Fi password; 5GHz network selected; device too far from router.	Ensure correct 2.4GHz Wi-Fi password. Move device closer to router.
No motion detection alerts.	PIR sensor disabled; sensitivity too low; app notifications off.	Check PIR settings and sensitivity in the TUYA Smart app. Enable app notifications.
Poor video quality.	Dirty camera lens; weak Wi-Fi signal.	Clean the camera lens. Improve Wi-Fi signal strength.

For further assistance, please refer to the TUYA Smart app's help section or contact customer support.

8. SPECIFICATIONS

Feature	Specification
Display Size	4.3 inch
Display Resolution	1920x1080 (1080P)
Focal Length	2.5mm
Angle of View	167° Wide Angle (Diagonal)
Audio	Built-in microphone (2-Way Audio)
Video Compression	H.265
Night Visibility	1pc IR-LEDS (up to 16 feet)
PIR Motion Detect	Yes (within 16 feet)
Wireless Standard	2.4GHz WiFi IEEE 802.11b/g/n
Mobile App	TUYA Smart (Android, iOS)
SD TF Card Support	8-128GB (not included)
Cloud Function	Yes
Power Supply	5000mHA battery (rechargeable)
Charge Port	MICRO USB
Working Temperature	-20°C to 55°C
Relative Humidity	85% non-condensing

Feature	Specification
Weatherproof	Yes
Door Thickness Compatibility	1.2"-2.4" (30mm-60mm)

9. WARRANTY AND SUPPORT

visiPower products are designed and manufactured to the highest quality standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official visiPower website. If you encounter any issues or require technical assistance, please contact visiPower customer support through the contact information provided on the product packaging or the official website.

Please have your model number (C85) and purchase details ready when contacting support.