McGrathLocks
MAKING ACCESS EASIER

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1080p HD Video

Two-way Audio

2.4GHz Wi-Fi

Night Vision

Real-Time Video

Cloud Storage

Notification Push to Mobile Device

166 Wide-angle Camera Lens

Micro SD Card Compatible

PIR Motion Detection

Low Power Consumption

Battery Powered

Powered By tuya

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Description

1080P HD Lens & 160° Wide Angle The 1920*1080P resolution doorbell camera with 166° wide-angle, easy to set up, you will never miss any visitor who at front of the door. 2.4G Wi-Fi Connection & Two-way Audio Download the "Tuya" app and connect 2.4GHz WIFI (NOT 5G) to your smartphone. A live video of visitors can be seen with your cell phone anywhere. Two-way audio with noise cancellation allows you to hear and speak to anyone at the door. PIR Motion Detection & Night Vision When motion in front of the door was detected, our doorbell will auto send a message to the cell phone. The doorbell can auto switches to night vision mode. Protect your house day and night with infrared night vision!! Cloud Service Via "Tuya" save the videos in the cloud. Support storage Card up to 128GB. The eighth-day video will cover the first-day video. You can review, save, and share footage at any time. Smart Night Vision With Light Sensor and IR LED the video doorbell can automatically switch to night vision mode. Whether day or night, the image always clearly. Two-way Audio With noise cancellation, and app remote let you to talk to your visitors wherever you are. Free Cloud Service All users are free to join the cloud recording plan. Easy to Installation No wires and cables are required; you can install it easily.

Specifications

- Image sensor: 2MP 1080P COMS sensor 1/4"
- Lens: Full 3G1P Ultra-Wide Angle 1.7mm Lens
- Angle: horizontal 160 degrees
- Video stream: transmission 1920*1080@30fps,1280*720@30fps; 640*360@30fps;1280*720@30fps
- CMOS: Support auto white balance, gain control, backlight compensation system Lite OS
- Stand-by: About 6 months(10 times wake-up/day, 30 seconds / time)
- Day/Night: IR-CUT automatic switch
- Infrared distance: 850nm infrared, effective distance 5m
- Network configuration: one key WIFI setting sound configuration
- PIR human detection: Support PIR detection and wake up
- Audio code standard: AAC & G.726
- Audio input/output: -38dB Microphone / Built-in speaker
- Video mode: manual recording, alarm recording
- WiFi: 2.4GHz
- Wireless: WIFI 802.11b/g/n wireless network
- Two-way intercom: support full-duplex real-time call
- Mobile app: HKbell,ios10.0,android5.0 above
- Power supply: AC/DC24V or 2 unit18650 battery2200mAH(optical)

SMART NIGHT VISION

HD 1080P

Daytime

Night

Specifications

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Lens	Full 3G1P Ultra-Wide Angle 1.7mm Lens
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CMOS	Support auto white balance, gain control, backlight compensation system Lite OS
6.Stand-by	About 6 months(10 times wake-up/day, 30 seconds / time)
Day/Night	IR-CUT automatic switch
Infrared distance	850nm infrared, effective distance 5m
Network configuration	one key WIFI setting sound configuration
PIR human detection	Support PIR detection and wake up
Audio code standard	AAC & G.726
Audio input/output	-38dB Microphone / Built-in speaker
Video mode	manual recording, alarm recording
WiFi	2.4GHz
Network protocol	TCP/IP,HTTP,TCP,UDP,SMTP,DHCP,DNS,P2P
Wireless	WIFI 802.11b/g/n wireless network
Passive human infrared detection	supported
Adaptive code rate	supported
Two-way intercom	support full-duplex real-time call
Sleep time	15S
Voice phone call	supported
Remote wake-up	supported
PIR wake -up	supported
Mobile app	HKbell,iOS10.0,android5.0 and above
Power supply	AC/DC24V or 2 unit18650 battery2200mAH(optical)
Working temperature	-10℃ ~50℃
Working humidity	≤80%RH

Package includes
1 x Doorbell Camera
1 x English User Manual

Accessories

SMART WIRELESS
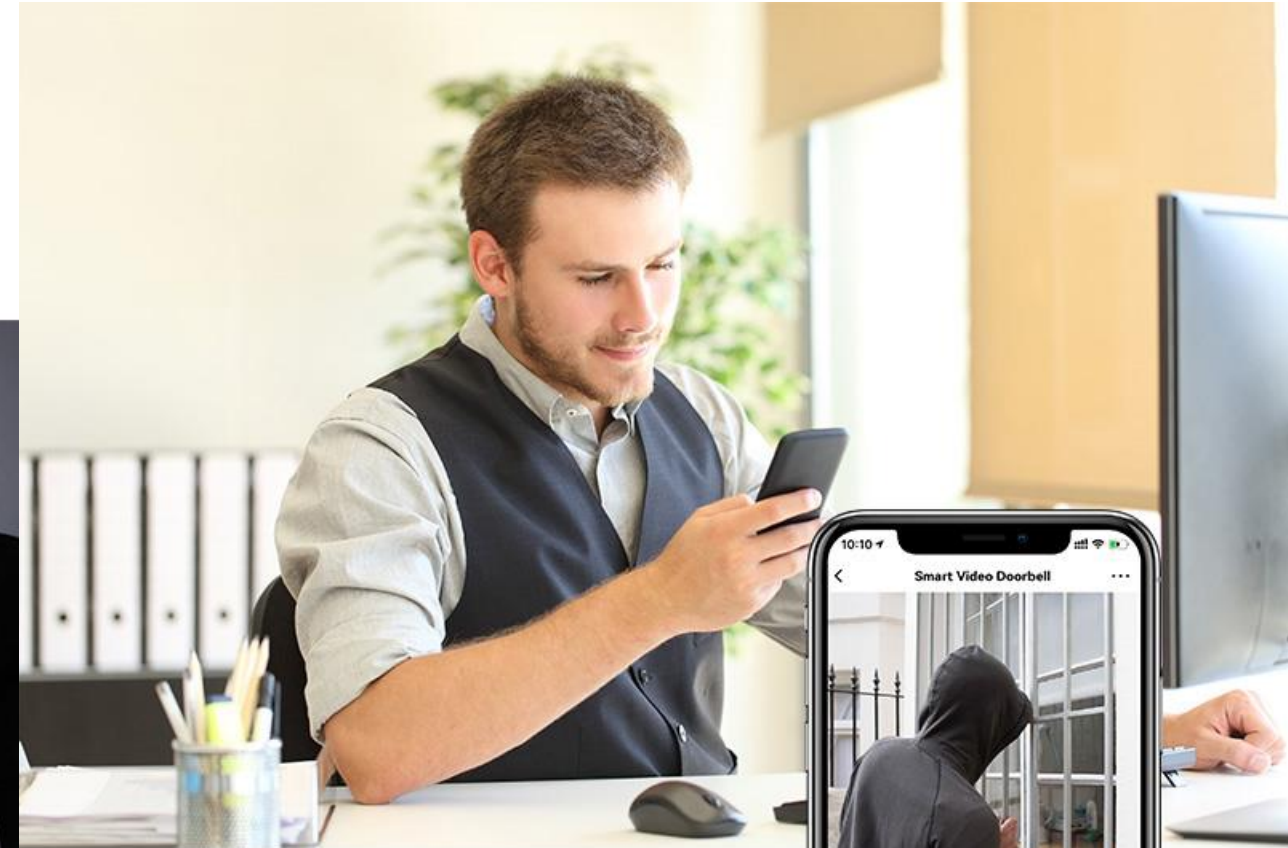**VIDEO**
DOORBELL

Note
Chimes(Sold separately)
Google home and Alexa are optional, please contact us if you need.

Real-time Voice Intercom
two-way voice intercom
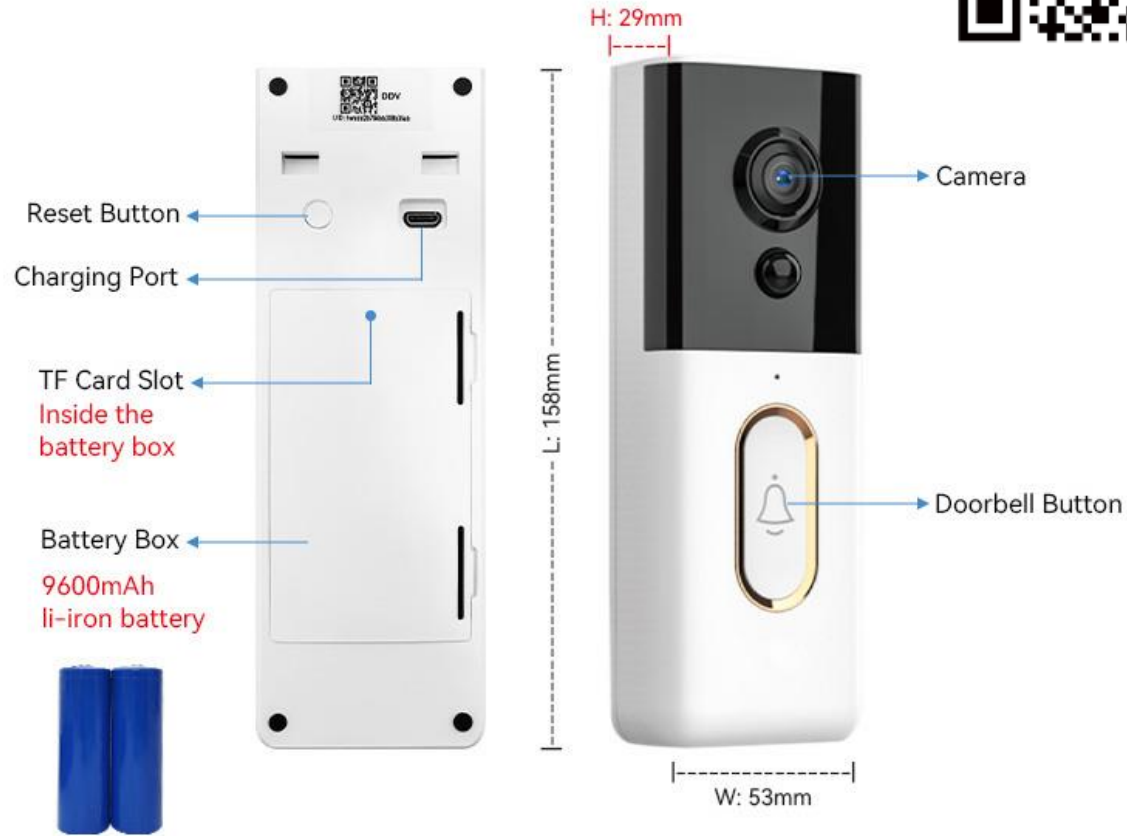
2.4GHz Wi-Fi

Leave it on the steps, thanks

Hello, your delivery

PIR Motion Detection

When the human body moves in front of the device, the device will notify your phone and automatic recording.

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Reset Button

Charging Port

TF Card Slot
Inside the
battery box

Battery Box
9600mAh
li-iron battery

H: 29mm

L: 158mm

W: 53mm

Camera

Doorbell Button

More Options

If necessary, please contact our customer service

Powered By
tuya
Intelligence
Inside

Tuya Version
(standard)

Alexa Version
(optional)

Google Home
Version
(optional)

Chimes (optional)

Panel 1
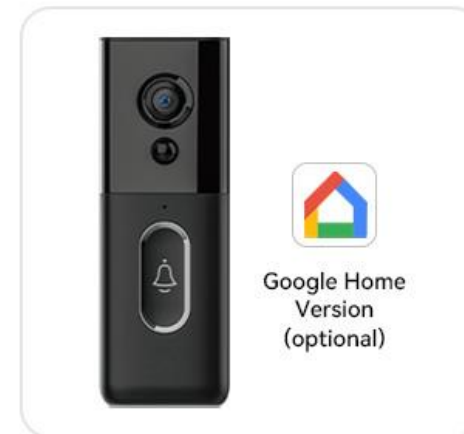
Smart
VIDEO DOORBELL

Quick Start Guideline

Please read it carefully before using the product, and keep this handy

Packing List

After opening the package, please make sure the doorbell (hereinafter referred to as the "Equipment") is in good condition, Make sure parts below is included,

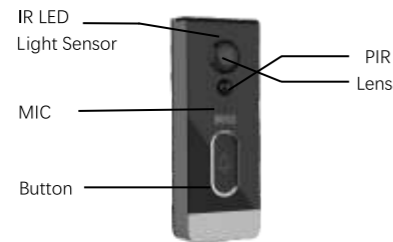Main Unit
(Including Mounting Bracket)

Security Screw

Screw Package
(Including Conductive Screw)

Quick Start Guideline

Appearance Introduction

IR LED
Light Sensor
MIC
Button

PIR
Lens

1

Panel 2

IR LED   The ambient light is not enough, this can increase picture brightness.

Light sensor   Used to collect environmental light status, when ambient light drops down to 2 Lux, the IR LED will turn on automatically.

MIC   Audio Capture

Button   Doorbell button

PIR   When object movement detected in front of the device, the device will send notification to your phone automatically.

Lens   Video image capture

Indicator Light Blinking blue light: Configuration status;
Red light ON: Failed to connect to WiFi;
Blue light ON: Connect to phone successfully;
Red and blue flash: Connect to WiFi successfully

RESET

Mounting Port

USB Interface

Battery Slot

2

Panel 3
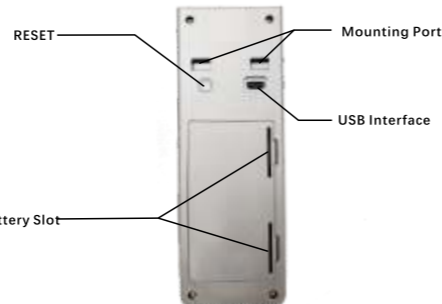
RESET Button   To reset the device, long press this button for 5 second

Battery Slot   Support 2 * 18650 battery / 2 * 21700 battery

USB Interface   Micro USB port charging

Mounting Port   Use this port to mount the camera to bracket

Setup the Device

Thank you for choosing our products! Please follow below instruction to setup and use your doorbell device.

1. Downloading and installing the APP
Open App Store (for iOS) or Google Play Store (for Android) on your device, search for "TuyaSmart" or scan QR code as following to download the right App for your device.
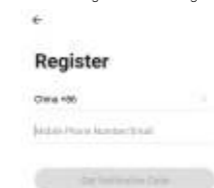
3

Panel 4

2. Setting up the APP
Before you begin;
➢ Make sure the TuyaSmart APP is installed to your device
➢ Make sure that your device is connected to a 2.4GHz Wi-Fi networks, 5GHz network is NOT compatible.

User Register
New user register it according to guide steps, already registered user just login it

3. Add the device
Before add, make sure the device is in configuration – with a voice notification "The camera is now ready to begin paring." (Blue light blink per 1s)

If you didn't hear the voice notification, please RESET the device by pressing the reset button 5 seconds. You can release the button after the LED indicator turned off, the device will restart to default setting automatically.

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Panel 5
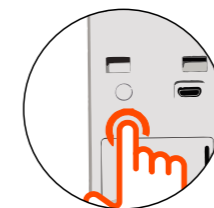
Open the "TuyaSmart" app and tap "Add Device"

Select device type: Security & Sensor – Smart Doorbell, then make connection with the device according to the steps
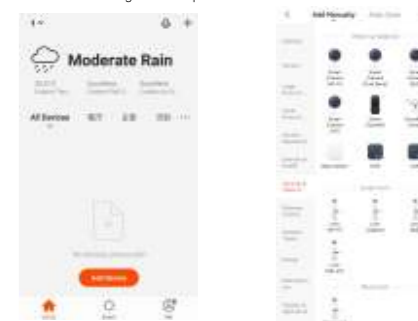
Choose "next step", the name of the WiFi network will automatically be filled in, enter the WiFi password and tap "confirm".

Note: The App will fill the corresponding password automatically if connected with the same WiFi, and you don't need to fill in password again.
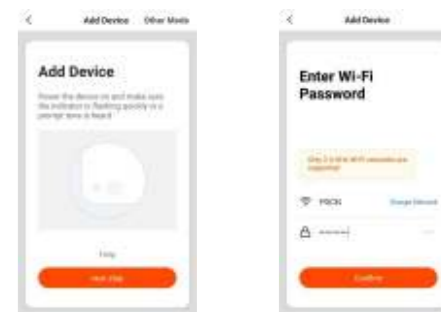
5

Choose "Continue" and use camera to scan the QR Code show on your phone, make sure about 15-20cm distance between the mobile device to the doorbell, When you hear the prompt, tap " I heard a Prompt" and waiting for device connection till success.
If your camera fails to connect, please try to RESET the camera and repeat all steps again.

When the app show Device added successfully，Congratulations! The device is ready for use now!
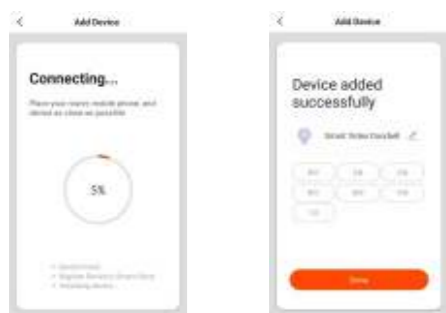
6

4. WiFi Doorbell Functions
Support following functions: Two-way Audio; Video recording to local file; Take Photo; Playback video on Micro SD card.

4.1 Live view
In the device list section, it shows all devices with successfully connections, click the corresponding device to live view videos directly.
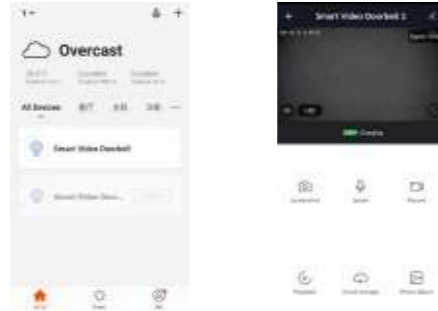
4.2 Micro SD Card Video Playback
Micro SD Card Recording Type: APP wake up the device and take video; Press button to wake up the device and take video; Motion detection and take video;
Remark: Currently the device only supports Micro SD cards with the FAT32 system format, others cannot be identified.

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5. Device Management
Click the corresponding device to live view videos directly in the device list section,
You could choose " ••• " at the top right corner to enter device setting.
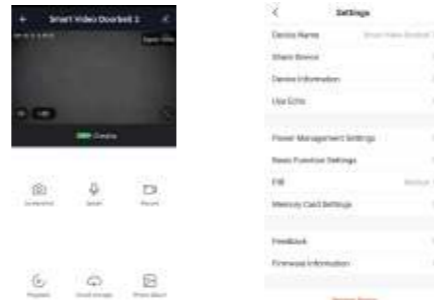
5.1 Modify Device Name
Click "Device Name" on setting page to rename device

5.2 Device Sharing
Click "Share Device" on setting page to share the device to other family members.

5.3 Device Information
Click "Device information" on setting page to check device information.

5.4 Power Management Setting
Click " Power Management Setting" to check power working status or set the low battery alarm threshold.
Options: 10%~50%

5.5 Basic Function Setting
Click "Basic Function Setting" to set below functions:
Flip Screen: on/off; Time Watermark: on/off; Talk Mode: One-Way Talk/ Two-Way Talk

5.6 PIR sensitivity Setting
Click "PIR" to set the sensitivity.
PIR: Low/Medium/High/Off
*Off: Close PIR function.
*Low: Wake up and record footage if any motion in front of the camera last for more than 7 seconds been detected. A notification will be sent to mobile devices at the same time.
*Medium: Wake up and record footage if any motion in front of the camera last for more than 5 seconds been detected. A notification will be sent to mobile devices at the same time.
*High: Wake up and record footage if any motion in front of the camera last for more than 1 seconds been detected. A notification will be sent to mobile devices at the same time.

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Note: In crowded environment, it is recommended to close or set the device to LOW sensitivity to reduce unwanted wake up and notification push to extend battery life.

5.7 Memory Card Settings
Click "Memory Card Setting" to check Micro SD card status, include total capacity, used and remaining capacity or format memory card.

6. Note for using
a. When device is powered by rechargeable lithium batteries. With fully charged, the battery life approximately could be around six months. The mobile device APP will send notification when battery voltage is low. Please charge the device in time if you get the notification.
b. Keep the camera within your router's range.
Make sure to pick a place where is covered by your WiFi signal. Thick or insulated doors can greatly reduce the strength of your WiFi signal even if your router is close by. Trial test before installing the camera is recommended.
c. The device is designed base on low power consumption component, it could be remotely wake up from the APP, by PIR human motion detection, or doorbell press. The device will work for 30 seconds after wake up each time then back to standby.

Model	Battery Type
	2 * 18650 Battery (Battery Optional)
	2 * 18650 Battery (Battery Optional)
	2 * 21700 Battery (Battery Optional)

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Technical Specification

Resolution	1024*720	1920*1080
Recording Angle	166 Degree	
IR LED	6*850mm	
WiFi	IEEE 802 11 b/g/n	
Audio	Two-way talk, noise cancellation	
Memory Type	Micro SD Card	
Storage Support	8 / 16 / 32 GB	
Battery	2 * 18650 Battery / 2 * 21700 Battery	
Monitoring	Doorbell button, motion detection, remote wake up	
Power Consumption	Standby: 20uA; Working: 170mA	

2 * 18650 battery (total 5200 mAh) normally can support 3-6 months usage.
2 * 21700 battery (total 10400mAh) normally can support 6-12 months usage.

Ding-Dong Chime Pairing (Needs to be purchased separately)
Code Pairing: 1. Long press the button on the chime, till its indicator light is always ON.
2. Press the button of the doorbell to complete pairing.
Reset: Press the RESET button on the chime for 5 seconds.
Multiple connections:
1 Ding-Dong chime can connect with up to 12 doorbells,
1 Doorbell can connect to unlimited number of Ding-Dong Chimes.

Note: About the Batteries (battery is not included) Options only

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Function Introduction

Long battery life, 2 * 18650 battery can support up to 6 months of usage.   (if 2*21700 type model can support up to 12 months of usage.)

Exquisite image recording with wide angle lens.

Fast mobile device remote wake up in less than 1 second.

2.4GHz WiFi connection

High quality two-way talk with noise cancellation

PIR motion detection, notification will be sent to your phone whenever motion been detected in front of your camera, never miss a thing!

Day / Night mode automatic switching, ensure the best image quality 7 * 24

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