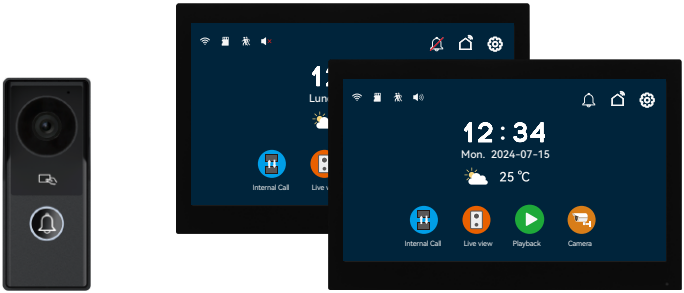
2-Wire Digital Video Intercom Kit
User manual

Videophone kit with 1 monitor



Videophone kit with 2 monitors

1 Features

Monitor

- 7” or 10.1” 1024 x 600px IPS touch screen
- Micro SD card class 10 up to 512GB
- 2.4 GHz WiFi IEEE 8111 b/g/n
- Current consumption: 150mA, Power consumption: 3.5W
- 7inch monitor dimensions: 119 (h) x 188 (w) x 18.5 (d) mm
- 10.1inch monitor dimensions: 158 (h) x 242(w) x 18.5 (d) mm
- Video decoding: H.264
- Take photo or video, twin controls for lock and gate, human detection, weather
- Monitor can talk to another monitor
- Video recording or take photo when human detection or call

Intercom panel

- CMOS colour sensor 2Mega pixels
- Viewing angle: Horizontal ~130°/ Diagonal ~165°
- Current consumption: 220mA, Power consumption: 5.5W
- IR CUT no color deviation (4 IR LEDs)
- Camera with wide dynamic range
- Camera distortion correction to avoid video stretching and bending
- Human detection and setting Motion zone
- RFID: 13.56MHz - 100 badges max.
- IP55
- Operating temperature: -30°C / +70°C
- Dimensions: 129(h) x 53 (w) x 33 (d) mm

Connect

- 1 Intercom panel and 2 monitors share one power supply
- 2 wires no polarity to conect intercom panel and monitors
- Connect up to 24 Onvif cameras in the same LAN

APP

- Main monitor connects to "Tuya Smart" or "Smart Life" App
- 20 App users connect to the APP, users can talk to visitors anytime and anywhere, take photo or video, monitor, unlock lock and gate, cloud storage
- Video recording or take photo when human detection or call
- Search "Tuya Smart" or "Smart Life" from APP store or Google Play
- Scan the QR code on the menu of monitor to download

2 APP register & login

1. Please register first when using the APP for the first time.
2. After logging into the APP, please create a family and add devices. In the lower right corner of the APP homepage, click "Me" -> "Home Management" -> "Create a home", fill in the information. The user who adds the device will become the family owner and set up a home owner or general member.
3. Once the home owner adds the doorphone, the home members will add the doorphone automatically, home members can unlock lock and gate, but shared accounts cannot unlock.

3 Kit contents

Intercom panel

Adjustable 30 to 55 Corner Mounting Bracket

Allen key and Screws

5xRFID badges

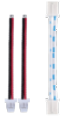
Wire Connectors

7" or 10.1"monitor

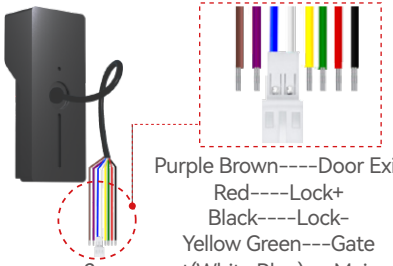
Wall bracket

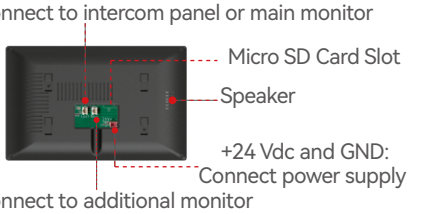
24V 1A Plug-in power supply

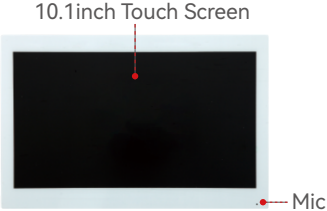
Power cable

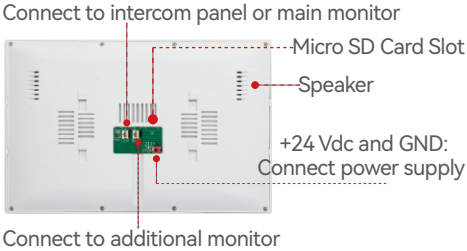

2-core wire

4 Intercom panel & Monitor



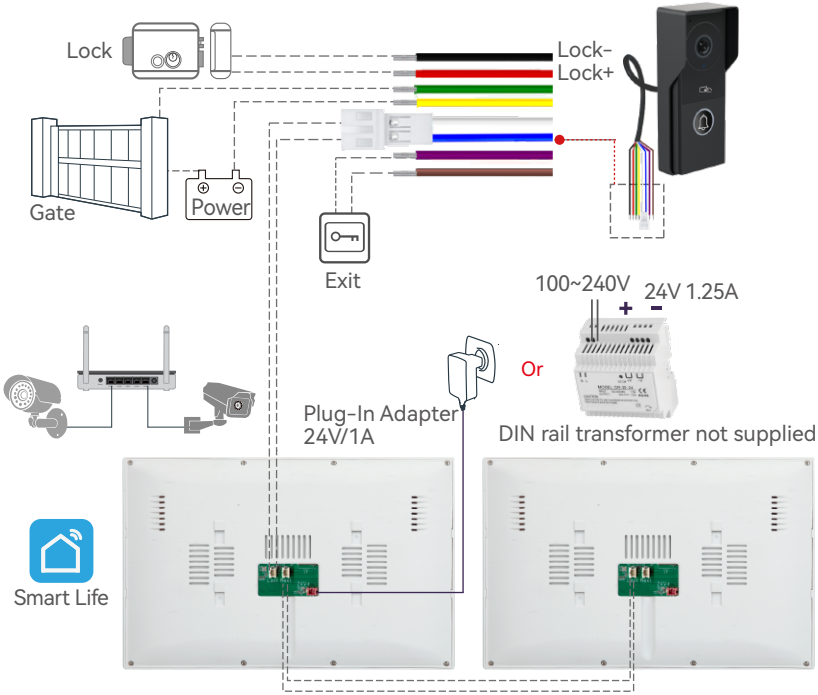






5 Wiring

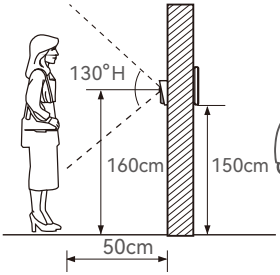
- 1 Intercom panel and up to 2 monitors share 24V 1A power supply.
- Connect up to 24 Onvif cameras or RTSP cameras in the same LAN.
- The additional monitor needs to be connected to same WiFi as main monitor, then camera add to list of additional monitor.
- Long press 'Exit' 3 seconds to open the gate, quickly press to open the lock

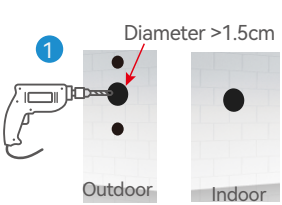


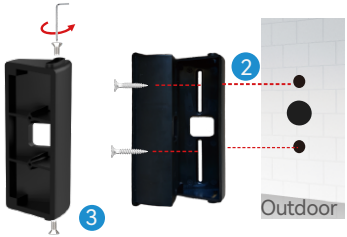
Wire rod \ Distance		
Telephone cable (D 0.3mm)	20 meters	Not recommended
2wires RVV (D 0.5mm)	100 meters	15 meters
2wires RVV (D 0.75mm)	120 meters	15 meters
2wires RVV (D 1.5mm)	150 meters	15 meters
Standrad Category 5 cable (Twist pair)	150 meters	15 meters

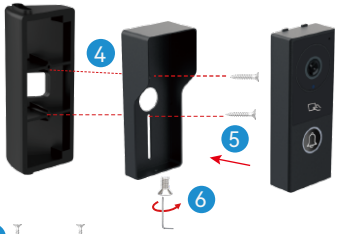
6 Product installation

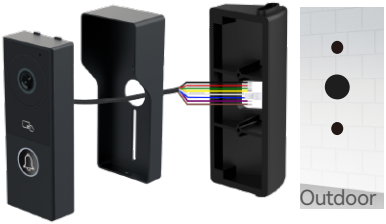
The Intercom panel is installed at a height of 1.6 meters, try to avoid the sunshine and rain, fixed the intercom panel on the wall, wooden board, door.

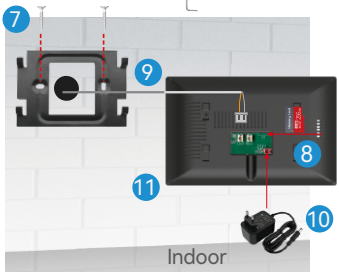






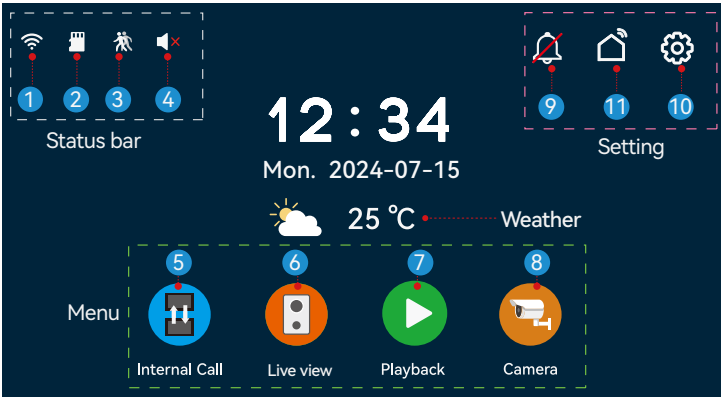






1. Use drill bits to drill three holes, use anchors if install intercom panel on brick or concrete.
2. Separate the corner mounting bracket then fix the back to the wall
3. Adjust viewing angle by 30 to 55° then fix the top and bottom screws
4. Fix the weather-proof shield to corner mounting bracket with two screws
5. Put the intercom panel to the weather-proof shield
6. Fix the bottom screws of weather-proof shield
7. Fix the wall bracket to the wall with two screws
8. Insert the MicroSD card into the slot of monitor(if no MicroSD card is inserted)
9. Connect the 2-core port to the monitor and connect the Lock, Gate, Door exit
10. Connect the monitor to a 24V 1A Plug-In Adapter or DIN rail transformer
11. Hang the monitor on the wall bracket

7 Monitor interface



1. Connected to WiFi & strength — Not connected to WiFi
2. No TF card inserted — TF card inserted
3. Human detection is off — Human detection is on
4. Do Not Disturb or ringtone volume is 0 — Ringtone volume >=1
5. Intercom function between monitors (additional monitor connected)
6. Monitor the intercom panel — The Intercom panel is not connected
7. Unanswered records — Answered records — Human detection logs
8. if cameras are connected, view the camera

Monitoring

Motion Zone — View camera

Someone call

Talk Volume — Transfer to another monitor

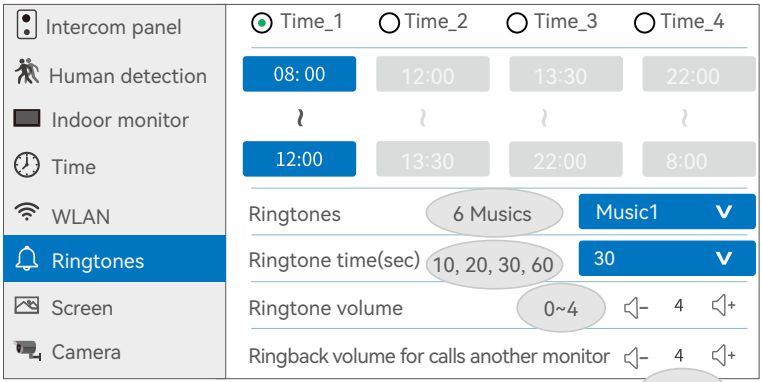
Lock — Gate — Talk — Hang Up — Record — Recording — Take Picture

9. Do not disturb, the monitor's ringtone muted when someone call

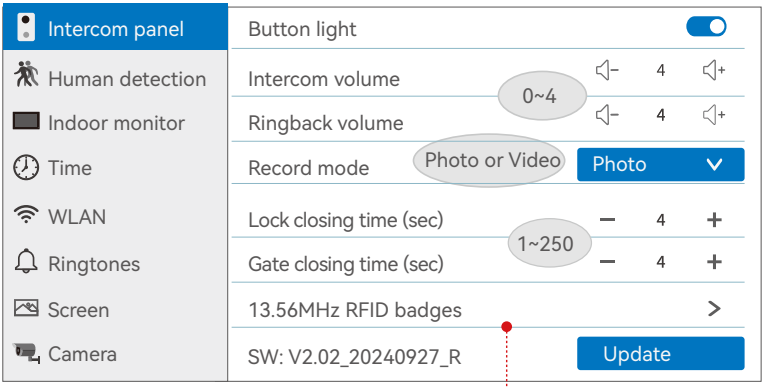
   Ringtones for 4 time periods

10. 'Setting'-> 'Ringtones'

Set the ringtone for 4 time periods, which will cycle every 24 hours. If the user needs to rest for 2 time periods, the ringtone volume can be set to 0 during these 2 time periods.



11. 'Setting'-> 'Intercom panel'



Serial number	RFID badges number	Create Time
3	16909060	2024-07-15 10: 12
2	4204894145	2024-07-15 10: 10
1	108646479	2024-07-15 10: 08

Add RFID badges

Delete All

Click on <Add RFID badges>, Intercom panel will turn on green light, swipe RFID badges to be activated, quickly swipe badge to open the lock, hold the badge for 3 seconds to open the gate.

12. 'Setting'-> 'Monitor'

- Languages include: English, 简体中文, Deutsch, Español, Français, Italiano, Nederlands, Polski, Português, Русский, Türkçe, اللغة العربية, فارسی
- Touch tone
- SD card capacity: Remaining capacity/ Total capacity, Format SD
- System restart
- Reset all settings
- Update the software of monitor

13. More settings

Human detection ····· Turn on/off Human detection, Alarm interval time, Alarm sensitivity level, Record mode

Time ····· Setting the time

WLAN ····· Connect to WiFi

Screen ····· Adjust screen brightness and setting screensaver time

Camera ····· Search Onvif camera ⊕ enter RTSP info on the same LAN

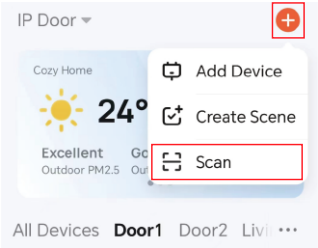
14. Smartphone application

First set up WiFi on the main monitor, then click on of the menu of monitor

APP download

APP scan QR Code

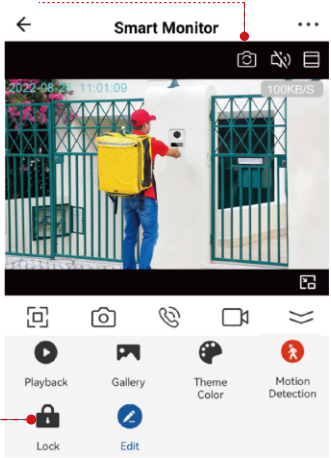
Click "+" on APP -> "Scan" QR Code



Click on <Unlink account> if connect other user already.

Unlink account

Door1, CCTV 1,CCTV 2, ... CCTV is camera



Unlock Lock and Gate

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC’s RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.