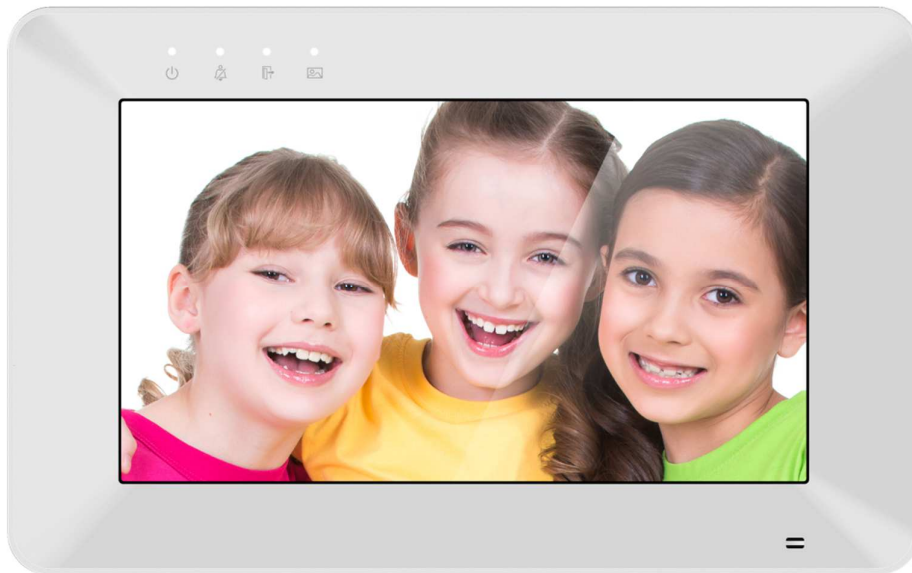


USER MANUAL

Micron Intercom System



The information and specifications contained in this document may be changed for product improvement without prior notice.

IMQTK – 7Inch Touch Screen Kit






IMQTKW - 7Inch Touch Screen Kit WITH WiFi Connection

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WARNING AND CAUTION

Please make sure to follow the instructions below to prevent any product damage or injury to yourself or your property.

	Do not attempt to disassemble or repair. This product requires a qualified technician
	Do not install this product in a hot, humid or wet environment
	Do not place heavy objects on this product
	Do not use solvents or detergents to clean the product.
	Do not attempt any connections whilst the system is plugged into power
	Make sure to clean the monitor using a dry cloth to prevent any breakdown or electric shock
	If the product produces excessive noise or smoke, immediately turn off the power, and then contact your service technician
	Make sure that dust does not build up on the product
	Make sure to prevent foreign objects from entering the product
	Do not install in direct sunlight or heating devices
	Install the product on a flat and stable surface
	Do not remove the micro-SD card (if fitted) when recording, this generally will cause loss of data

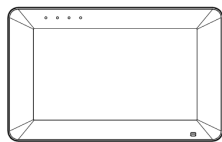
1. Features and Functions

- Support 1080P Door station
- Inner flash memory for video and photo recording
- Supports additional micro SD card max. 64GB for video and photo recordings
- Auto & manual video and or picture recording
- Addressable intercom between monitors
- Motion detection for Door station
- Voice messages for guest if call is not answered
- Selective 16 MP3 melodies, support 1 customized MP3 melody
- Scheduled Do not disturb
- User-friendly GUI menu

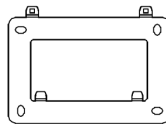
IF Your monitor is WIFI ENABLED (IMQTMW)

- Built-in WIFI, support for iOS & Android APP Control
- SOS Function to call APP direct from Monitor
- Intercom Between additional monitors or APP

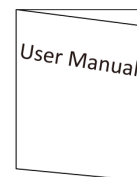
2. Packing Contents



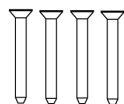
Main body



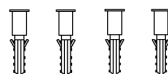
Wall bracket



User manual



KA M4*35mm
Mounting screw



M4*35mm
Plastic expansion pipe



Warranty card



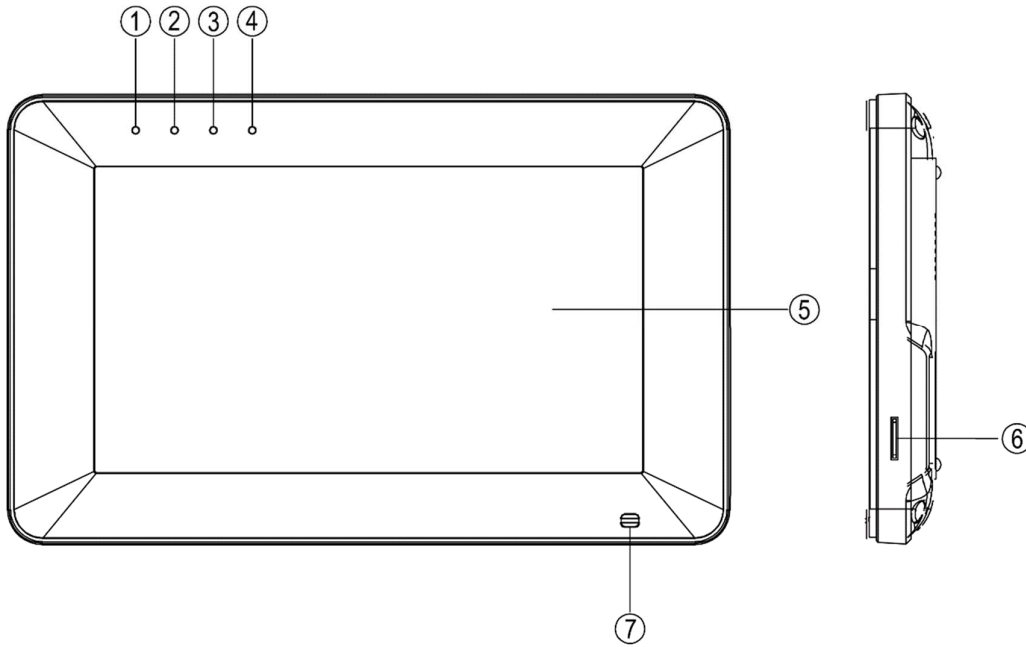
4*2 pin wiring cable



5*4 pin wiring cable

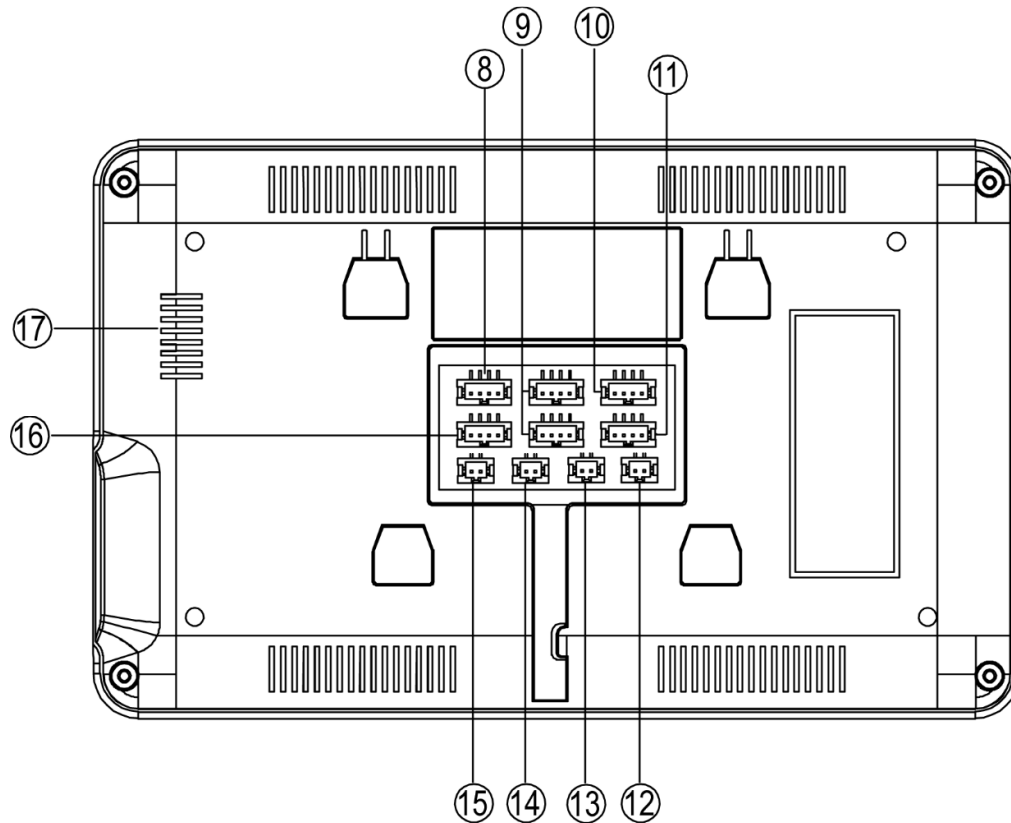
3. Name and Functions of Each Part

3.1 Front & Side



NO.	Part Name	Description
1	Power Indicator	LED is on when power on
2	Do-not-disturb Mode Indicator	LED is on when mute/DND is enabled
3	Leaving Mode Indicator	LED is on when leaving mode is enable
4	Message Indicator	LED flashes when have new image/video
5	Screen	7" digital touch screen
6	Micro SD Card Slot	Socket for micro SD card
7	Microphone	Microphone to talk to the door station

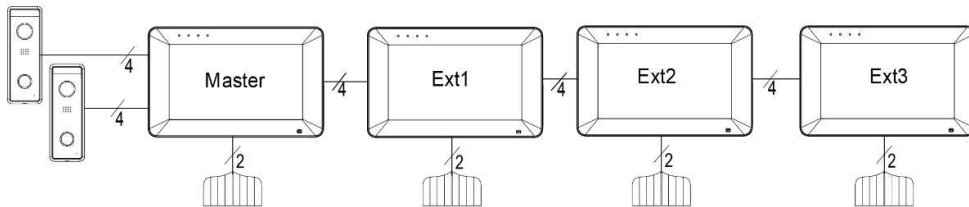
3.2 Rear & Bottom



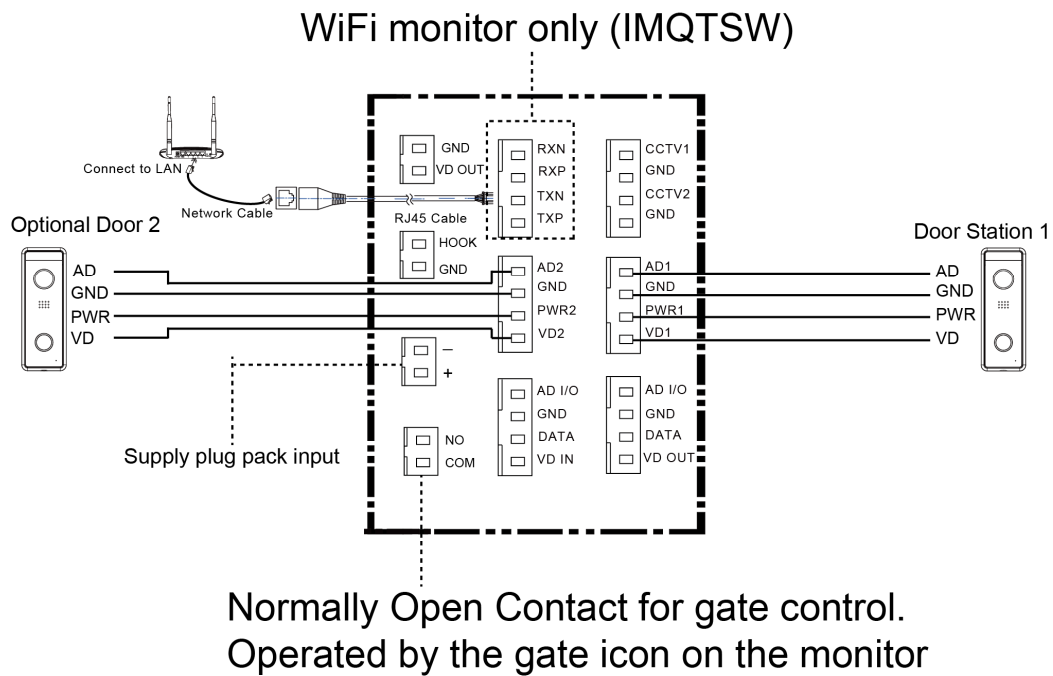
NO.	Part Name	Description
8	CCTV Input	Connection for CCTV 1 / CCTV 2 (NOT USED)
9	Video Input	Connection for door station 1 / door station 2
10	Intercom Output	Connection output to the next monitor
11	Intercom Input	Connection input from previous monitor
12	Gate Interface	N/O relay for automatic gate control
13	DC Power Input	Connection for 15V DC power supply
14	HOOK	HOOK Interface (NOT USED)
15	VD Output	Interface for Video output (NOT USED)
16	LAN	Interface for home router only for IMQTSW
17	Speaker	Monitor speaker

4. Connection Diagram

4.1 System Layout

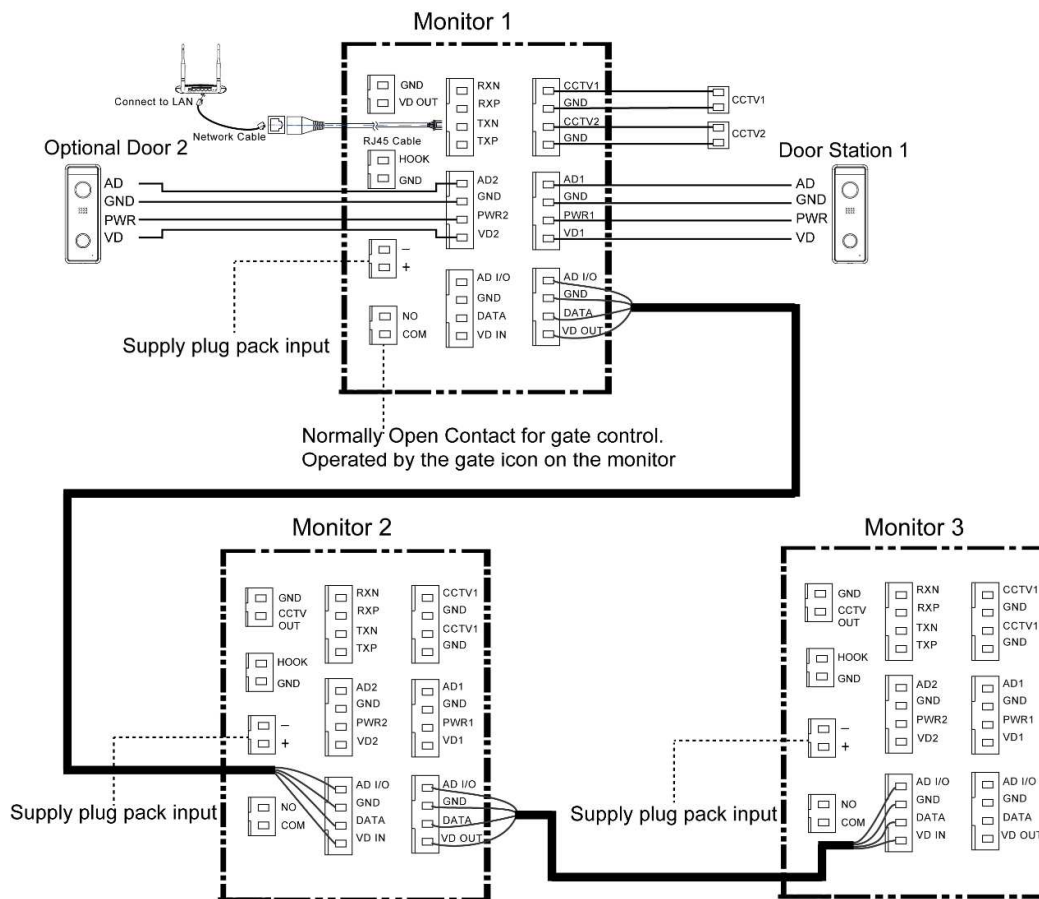


4.2 Wiring Diagram With One Monitor

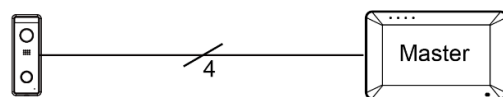


Note: Total Maximum Cable Distance is 100 meters.

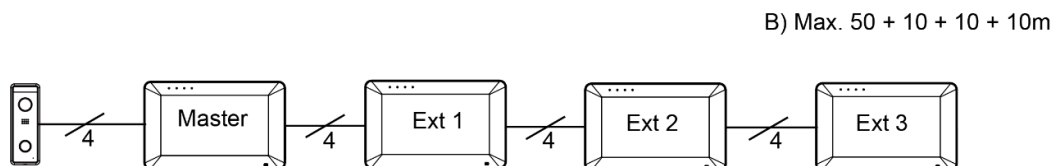
4.3 Wiring Diagram With Multiple Monitors



»Wiring types and distance

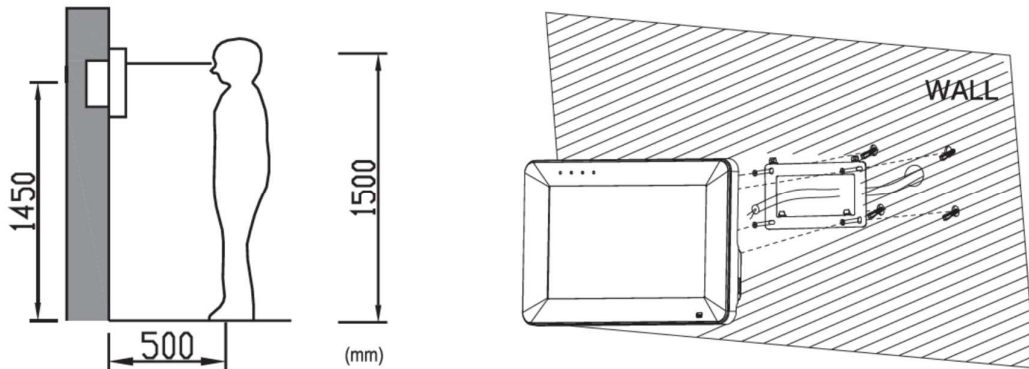


A) Max. 100m



B) Max. 50 + 10 + 10 + 10m

5. Installation



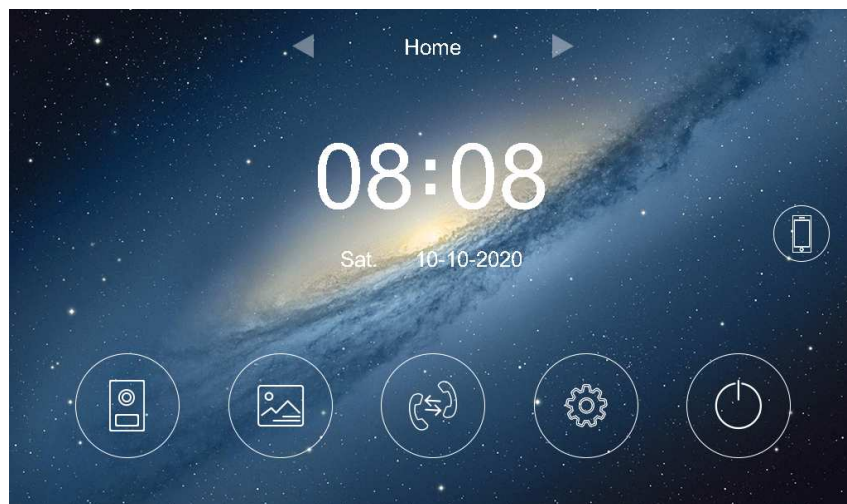
»Monitor installation location

Average Monitor Mounting heights vary depending on application. Standard monitor installation height is about 1,500mm where the screen center is at eye level; in this case, the monitor should be mounted at about 1,450mm.







6. Operation Description

6.1 Main Screen


Touch the screen anywhere in standby mode, the main page will appear with the below icons.



※ Icon Definition


Icon	Description
	Monitor / watch through the door station
	Picture / Video Memory
	Intercom communication
	Main setting screen
	Turn the screen off
	SOS button, Intercom with APP (Only WiFi monitor)

NOTE:

The SOS button is disabled by default, you can enable it in the General  setting tab.










6.2 Visitor Call

When door station calls in, the visitor's image will be shown on the monitor screen

and you can press  icon to talk with the visitor and press it again to terminate the talk.




※ Icon Definition

	capture a picture		record a video
	switch between door stations		talk
	release the electronic lock		call transfer manually
	adjust display parameters(brightness/color/contrast) and volume		
	open the automatic gate		back to main screen


During the talk:

- You can record a video or capture a picture from the calling door station automatically depending on the system setting.


- You can press the  icon to switch to the other door station or CCTV camera, and the current talk will be terminated.

- You can press the  icon to transfer the current call to other monitors.

6.3 Door Monitor Function

When you press the  icon on main screen, the system will enter Door monitor mode, and will show an image from the connected door station.

NOTE:

- The  icon will be disabled in monitor mode.

6.4 Multimedia

6.4.1 Image & Video Storage

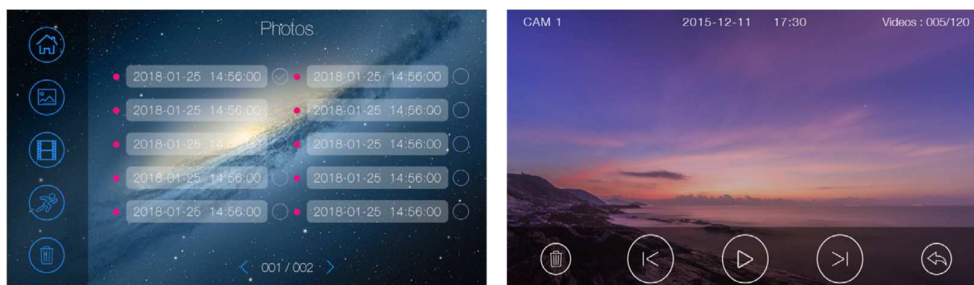
The monitor can record images and videos with inner flash storage; It can also support a Micro SD card.

When the storage space is full, the newest image/video will automatically overwrite the oldest image/video.

6.4.2 Image & Video Review



Press the icon on main screen, to review the image/video. The image/video list with a red dot means that the image/video is not viewed. You can press the corresponding list directly to review the image/video.



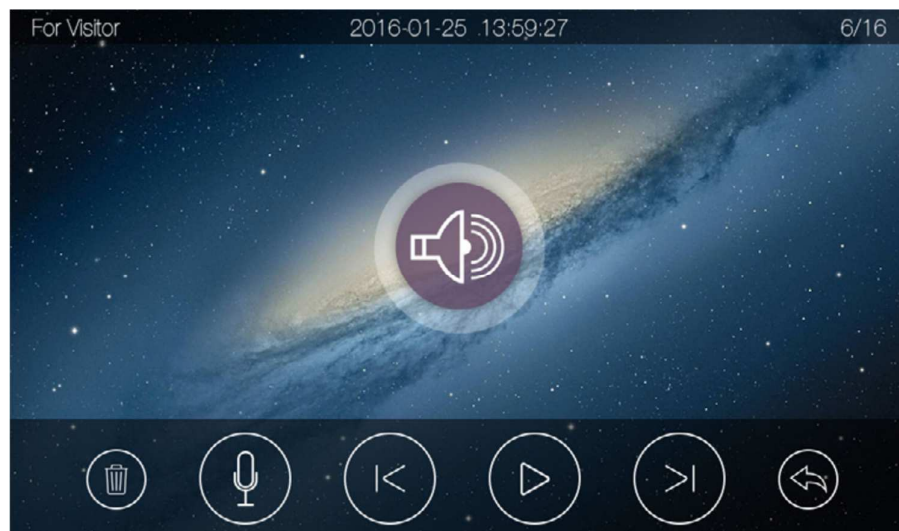
NOTE:

- Micro SD card must be formatted via the monitor before using.
- Micro SD card is excluded in the package.
- The videos include both the video recorded during monitoring and recorded during motion detection.

6.4.3 Voicemail Function





Press the icon on main screen and enter Voicemail settings, press the icon ,and then you can record and review messages.

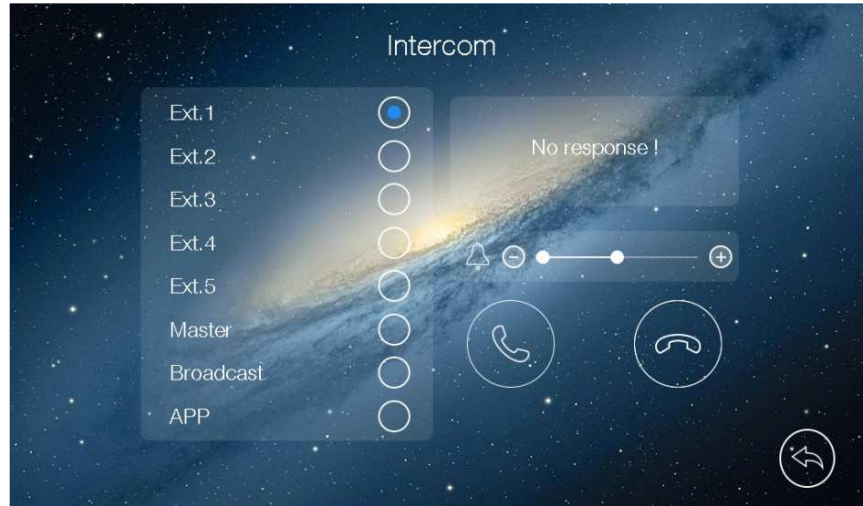


NOTE:

- The monitor support up to two voice messages for visitors. When full, the newest message will automatically overwrite the oldest message.
- If you want to use voicemail function normally, you should make sure that the mode of monitor is "Leaving" and the call forwarding latency should be off.

6.5 Intercom Function

Press the  icon on main screen, choose the monitor you want to call, and then press the  icon to start a call to talk with the corresponding monitor. The talk and ringtone volume for the intercom can be adjusted.



NOTE:

Extension 4 & 5 are not applicable

Broadcast calls all monitors connected in the system

APP Calls the mobile phone that have been setup with an APP

6.6 Motion detection

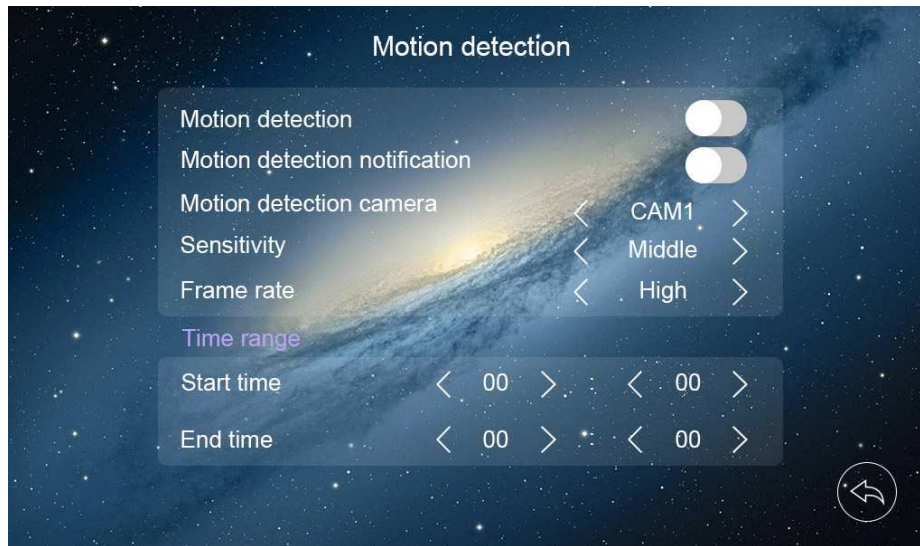
The monitor supports motion detection from door station or CCTV. You can enable/disable the motion detection function, set one camera as default for motion detection, set the sensitivity and frame rate and the time range of motion detection in




setting page. And you can enable/disable the motion detection notification. If you enable it and the detection is triggered, you can receive the motion detection message on your phone.

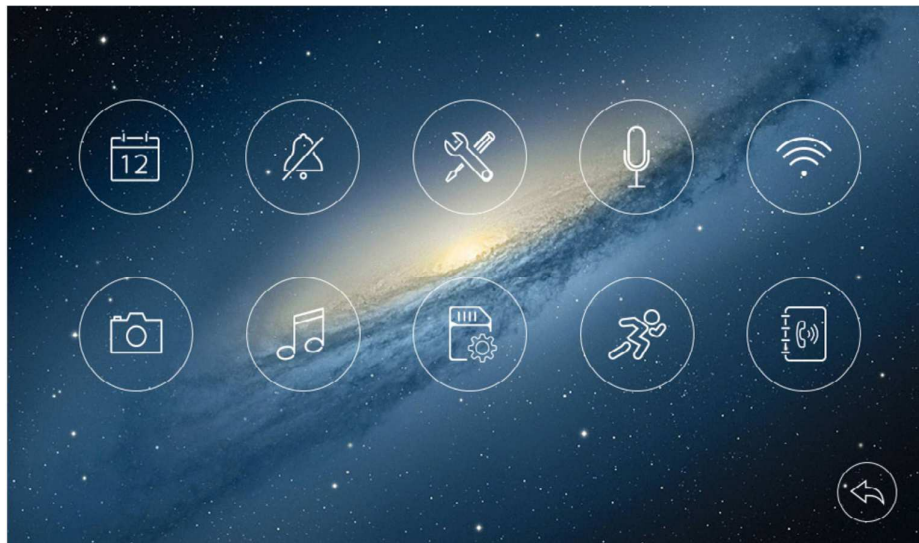
NOTE:



- The Motion detection works only when a micro SD card is inserted.
- Maximum Size of Micro SD card is 128GB




6.7 Setting Page


Press the  icon on main screen and then the screen will enter main setting page.





- In Date  setting page, you can set the date & time of the monitor by selecting the date format.
- In Mute  setting page, you can enable/disable the mute function and set the time range for do not disturb mode.


- In General  setting page, you can set the language of the monitor and restore system to factory settings (except date & time, intercom address).


- Enable / disable the screensaver function
- Set unlock times for door 1, door 2, and Gate (1s/3s/5s/7s/9s)
- Enable / disable the SOS button.


- In Voicemail  setting page, you can select one voicemail for visitor as the message to play in [Leaving] mode and delete all voicemails for visitor. You can also record and review voice message.


- In WiFi  setting page, you can turn [WiFi] on or off and set call forwarding latency for the monitor, you can also reset WiFi settings.

- In Record  setting page, you can turn [Monitor record] on or off and select picture or video record mode.

- In Melody  setting page, you can set ring time and set the ring melody for CAM1/CAM2/Intercom.

- In Memory  setting page, you can delete all images or videos in the micro SD card or FLASH, copy all images/videos in the FLASH to micro SD card and format micro SD card.

- In Motion detection  setting page, you can turn [Motion detection] on or off, enable or disable the motion detection notification, set one camera as default for motion detection, set frame rate, motion detection sensitivity and time range of motion detection.

- In Address  setting page, you can set the intercom address of the monitor. The address of different monitors in one network cannot be duplicated.

NOTE:

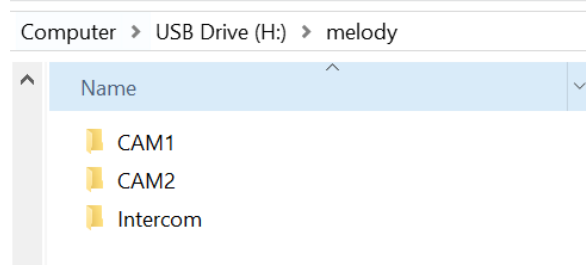
- *To record and review voicemail message, please see 6.4.3.*
- *If you want to use voicemail function normally, you should make sure that the mode of monitor is "Leaving" and the call forwarding latency should be off.*
- *Once a moving object is detected, the monitor will record a video automatically (the duration of recording video is 60s). When monitoring the door station, motion detection will pause until the monitoring ends.*

6.8 Customization of MP3 melody

The device supports 16 melodies and can customize a piece of music each for CAM1/CAM2/Intercom by SD card.

You can customize a piece of music as the following:

1. Prepare a SD card and format it;
2. Open the SD card in computer, and create a new folder called melody;
3. Open the melody folder, and create folder CAM1, CAM2, Intercom;



4. Copy music to the CAM1 or CAM2 or Intercom folder. (Note: choose the one you want to add music.)
5. Put the SD card to the device Micro SD Card Slot;
6. Open the setting page and open the [Melody] setting page, the device will import music automatically;
7. Then you can choose the new melody you add, and the melody will be named MP3.

NOTE:

- Please notice the melody must be in MP3 or WAV format;
- The Ring time of device is 5/10/20s, so the melody should have no prelude;
- You can add a piece of music separately in CAM1 and CAM2 and Intercom.
- If the SD card is not recognized, please format it on the device.

7. Specifications

Category	Specification
Input power	AC: 100~240V, 50Hz/60Hz DC: 15V
TFT LCD	7 inch digital TFT LCD
LCD resolution	1024(RGB) x 600 IPS
Supported video input signal type	AHD: support 1080P/720P; TVI: support 1080P/720P; CVI: support 1080P/720P; CVBS: support.
Connection with door station	Support two 4-wire door stations
Connection with extension monitor	Support five extension monitors
Connection with CCTV	Support two 2-wire CCTV input
Memory capacity	Internal Storage: 10M for image, 40M for video Micro SD card: Max 128G
Dimensions (mm)	205(W)x128(H)x18.9(D)(without wall bracket)

8 WiFi Function (WiFi monitor only IMQTSW)

Before you Start

Download the MICRON INTERCOM + APP


Make sure you have given the APP permissions

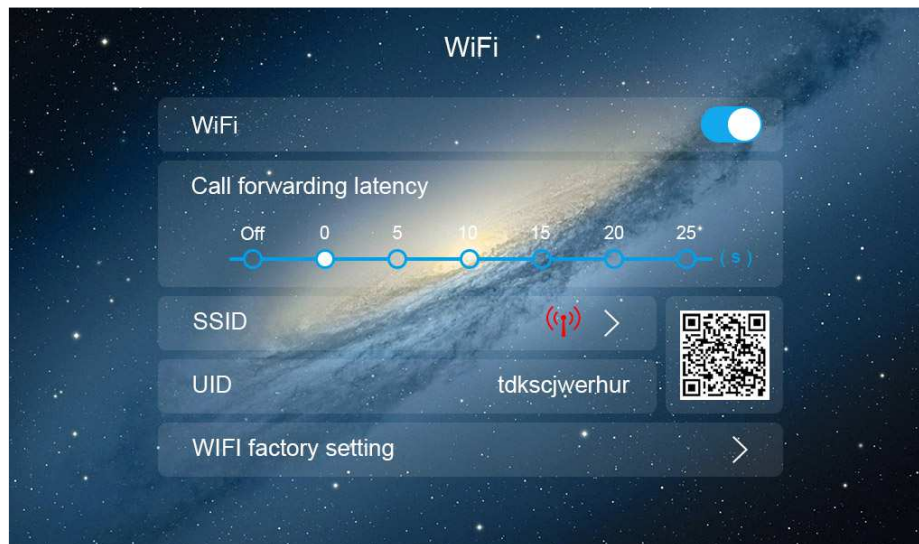
Make sure the premises has a 2.4Ghz WiFi network

8.1 WiFi Connection


The device supports several ways to connect the Internet. You can choose one of them to add device in mobile phone.

8.1.1 Adding to the APP Via the Monitor - Wifi

The monitor can be connected to the Internet by configuring WiFi through the monitor in the WiFi setting page. You can click  to configure the WiFi first, and then open APP and click **【+】** icon to scan UID QR code and add the device.



NOTE:

- When the monitor has been configured to the WiFi, it may need around 30s to connect with the server. Only scan the device UID QR code after the SSID icon has changed to this icon .

8.1.2 Adding to the APP Via a mobile device – WiFi

The monitor can be connected to the Internet by configuring through a mobile phone which uses Android or IOS system.

1. Download and open the APP, and click the **【+】** icon;
2. Scan the device UID QR code in device WIFI page;
3. Follow the prompts on the APP to configure the device;
4. After the device has configure successfully, you can set device name and save.

NOTE:

- When configuring WiFi setting on mobile phone, if you input the wrong password, you will need to reset WiFi setting on monitor again;
- The home router must be connected to external networks if the call from door station needs to be transferred to your mobile phone;
- In order to ensure normal connection, all permissions of the APP need to be allowed;
- The UID of the monitor is unique;

8.1.3 Adding to the APP Via a mobile device – Hardwired Network

The monitor can be connected to the Internet by wiring directly to your router or modem using the supplied 4 pin adapter. And then you can disable the WiFi button and use APP to scan UID QR code and add the device.

NOTE:

- If hardwiring to the network you will need to turn off the WiFi option in WiFi Settings

page

