

**Realtime Security Monitoring System**  
**(YD-TTDC-B001-00)**

**Product Instruction**

**Yi-Phone Inc.**

# Contents

	Page
Contents.....	2
Instructions for Use .....	3
Safety Information .....	3
Functional Principles and Features .....	5
Device Operation .....	6
Technical Data.....	7
Specifications.....	7
Hardware Requirements .....	7

## Instructions for Use

**Realtime Security Monitoring System** is a device for calculating adult motion and position. **Realtime Security Monitoring System** transmits data from sensors to receivers wirelessly, and receivers further transmit data to a server via internet connection. Relevant information and alarms will be displayed on a monitoring system. It can be used in healthcare facilities or home care for security or healthcare management.

## Safety Information



**Read instructions before any installation or operation.**



### Warnings

- Do NOT modify this equipment without authorization of the manufacturer.
- **Realtime Security Monitoring System** must be used within its wireless designated coverage (approximately 20 meters, spherical radius, from sensors to receivers, in outdoor environment). Moving outside this range may cause missing or inaccurate data.
- There might be a time delay of displaying measurement data through wire or wireless transmission.
- **Realtime Security Monitoring System** might be affected by RF communication equipments or strong electromagnetic disturbances.
- Do not direct exposure **Realtime Security Monitoring System**

to water. Moisture might cause malfunction or device failure.

- The web browser to view the **Realtime Security Monitoring System** should be installed on a computer with suitable hardware specifications.
- The web browser to view the **Realtime Security Monitoring System** might be covered by other computer application programs.
- **Risk of explosion if battery is replaced by an incorrect type.**
- **Dispose of used batteries according to the instructions.**
- **Federal Communications Commission (FCC) Statement**

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

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.

**This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:**

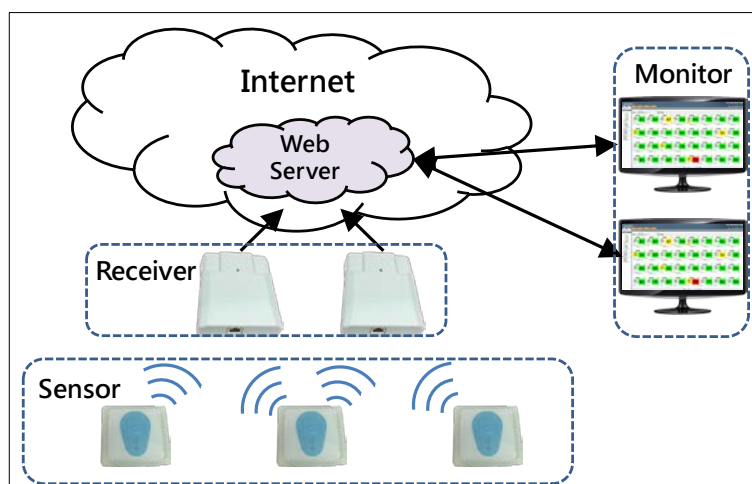
- 1) this device may not cause harmful interference and
- 2) this device must accept any interference received, including interference that may cause undesired operation of the device.

# Functional Principle and Features

**Realtime Security Monitoring System** can be used in

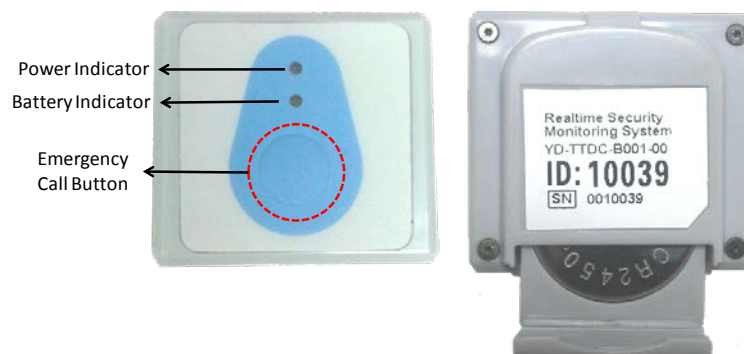
healthcare facilities or home care, and the features are following:

1. It helps caretakers to get user's information quickly by audible or visual alarms.
2. Portable design of sensor makes users no longer being restrained in a certain area nearby the monitoring equipment.
3. The design of wireless roaming achieves non-interrupt and real-time sensing, and thus it is suitable for monitoring careless areas, such as basement or toilet.
4. Forbidden areas can be set. System will alarm once users were located in those areas.
5. Different alarm can be set for each user.
6. Emergency button on sensor provides user an easy way to call for instant help.
7. The power-saving Zigbee chipset for wireless transmission makes the sensor continuously work for more than 6 months.



## Device Operation

1. Open the battery holder and install a coin battery CR2450 with the positive(+) side facing up. Close the battery holder.
2. Power indicator will blink green light every 3 seconds when the sensor is on.
3. Push the call button on center of sensor, the power indicator will blink and sensor will send a message to call for help.
4. The battery indicator will blink blue light when battery is low.
5. Sensor can be worn on user's wrist with wristband.



# Technical Data

## Specification

<b>Wireless Transmission</b>	
Frequency	2.480 GHz
Output Power	< 1 mW
Coverage <sup>(a)</sup>	20-meter radius indoor
<b>Power Supply</b>	
Sensor	Coin Cell CR2450, 6 months usage <sup>(b)</sup>
Receiver <sup>(accessory)</sup>	5V,2.4A DC or PoE(Power-over-Ethernet, 48Vdc, 1A)
<b>Conditions</b>	
Operation Condition	0℃ ~ 50℃, 10% ~ 90% RH, non condensing, 700-1060hPa
Storage Condition	-10℃ ~ 60℃, 10% ~ 90% RH, non condensing
Transportation Condition	-10℃ ~ 60℃, 10% ~ 90% RH, non condensing
<b>Weight</b>	
Sensor	18.5 gram
Receiver <sup>(accessory)</sup>	125 gram
<b>Size</b>	
Sensor	4.2 × 3.9 × 1.2 cm
Receiver <sup>(accessory)</sup>	12.2 × 9.4 × 2.55 cm

(a)The real operation range depends on environmental conditions, such as building materials and construction, and wireless interference.

(b)The battery life is under specific usage conditions, including new battery and normal use.

## Hardware Requirements

Operation System	Microsoft® Windows® 7 or above
CPU	Minimum 1.0 GHz processor
Memory	Minimum 1.0 GB SDRAM
Hard Disk	Minimum 16 GB storage
Web Browser	Google® Chrome®
Display	Minimum 1024 × 768, 18-bit color

**Manufacturer:** YI-PHONE INC.

7F-1, NO.286-1, HSIN-YA Road, Chien Chen District, Kaohsiung, Taiwan

Telephone : +886-7-815-5111 Fax : +886-7-815-5115