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## Code Scanner Box Product Manual



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## Document Revision History

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1	V1.0.0	C	First release.	Liang Sufang	January 14, 2021

\*Changes: C-create, A-add, M-modify, D-delete

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# 1 Brief Introduction

## 1. 1 Purpose

The purpose of this product manual is to fully describe the functions implemented by this product, so that users can understand the scope and method of use of this product, and provide necessary information for product maintenance and update.

## 1. 2 Scope

The current scope of application: It is suitable for the channel management equipment such as gates, that is, only one person can pass through at a time by blocking and releasing.

## 1. 3 Terms and Abbreviations

### 1. 3. 1 Terms

None.

### 1. 3. 2 Abbreviations

None.

## 1. 4 Reference Documents

Table 1 List of reference documents

Name	No.	Author	Release date	Remarks



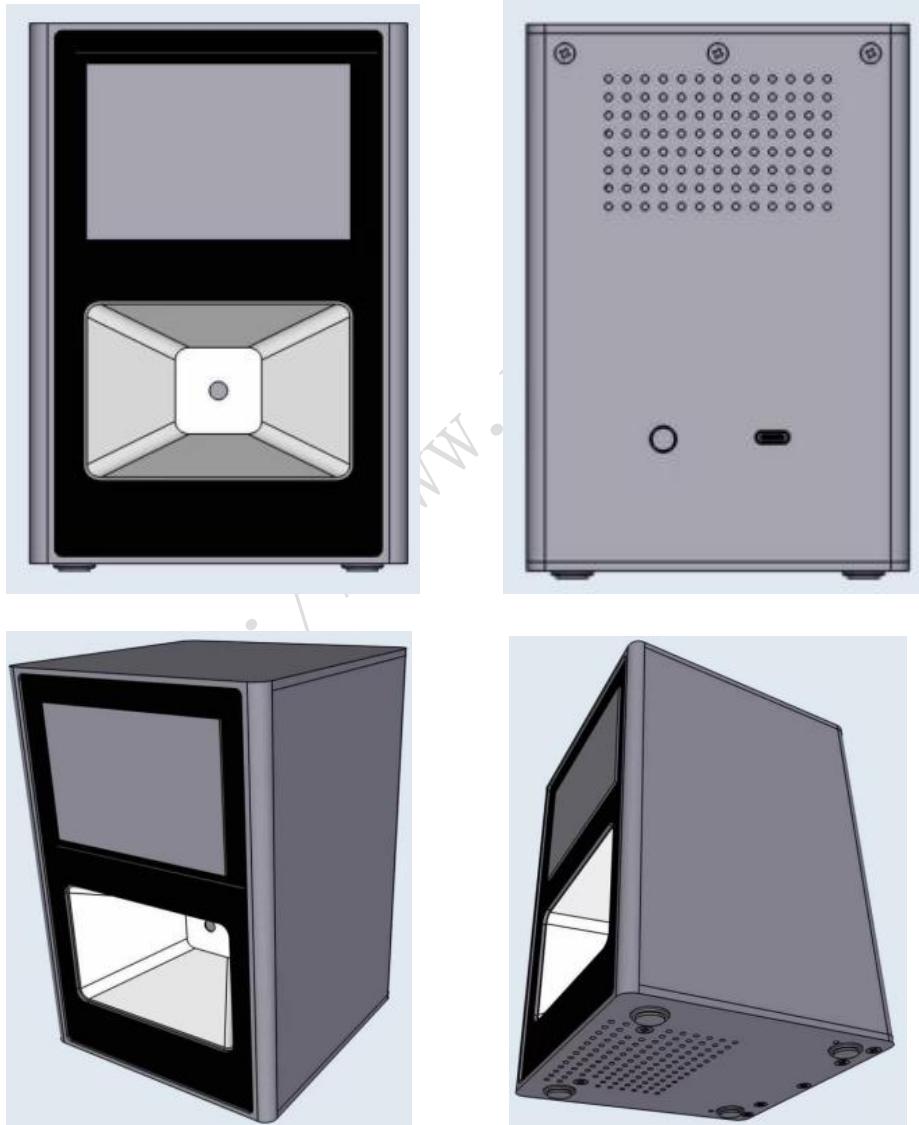
## 2 Product Overview

### 2.1 Product

This product is composed of a display, a code scanning window, a buzzer, a power button and power supply equipment.

#### 2.1.1 Product Images

Figure 1 Product images





## 2. 1. 2 Product Parameters

Product dimensions: 105cm X 105cm X 150cm.

## 2. 2 Display

The display is mainly used to show the personal information obtained by scanning a QR code.

### 2. 2. 1 Resolution

It adopts a 3.5-inch display with a resolution of 320\*480.

### 2. 2. 2 Detailed parameters

**Table 1 Color display parameters**

No	Item	Specification
1	Display Mode	Normally Black
2	Screen Size	3.5 inch (diagonal)
3	Resolution	320XRGBX480
4	Color Number	262K
5	Color Arrangement	TFT Active matrix
6	Driver IC	ST7796S
7	Back Light	White LED6
8	Viewing Direction	ALL DIRECTION
9	Interface	4spi-8bit MCU
10	Surface Treatment	UV Cut
11	Touch Panel	

## 2. 3 Code Scanning Window

It is used to scan the displayed QR code. There are two types of QR codes: one is electronic QR code (automatically generated in electronic devices such as mobile phones), and the other is paper QR code (the one that the generated electronic QR code printed on paper).

## 2. 4 Buzzer

The buzzer will beep in the following situations.



- Power on and off
- Scan a QR code successfully

## 2. 5 Power Button

There is a power button on the back of the product. You can start up the machine by long pressing the power button. To shut down the machine, you need to scan a specific QR code through the code scanning window to achieve it.

## 2. 6 Power Supply Equipment

This product is powered by a 21700 lithium battery and is charged via TYPE-C.



### 3 Product Performance

Power consumption:

Average power:

Heat dissipation:

EMI:

EMC:

## 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.