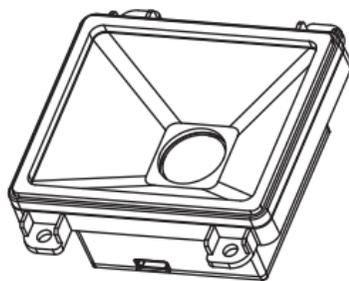


# HPRT

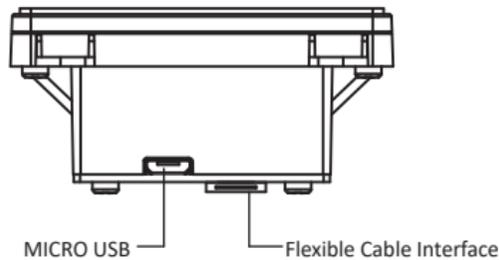
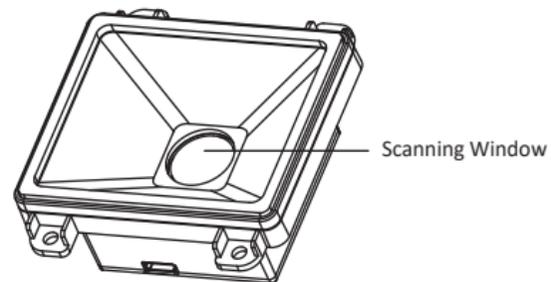
## Embedded Barcode Scanner

### E100



### User Manual

#### ■ Appearance

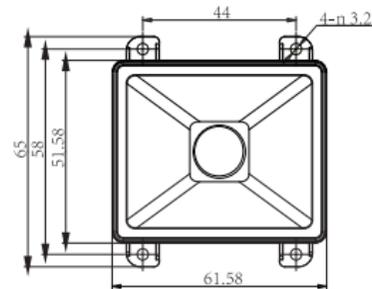


#### ■ Installation

Installation direction: There are fixed holes on the back of E100 2D platform. In order to ensure the 2D platform reading fast, users can install and place 2D platform based on needs.

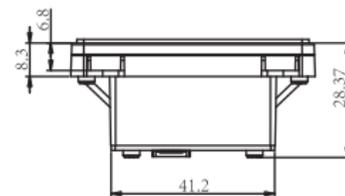
Refer to the following mechanical installation dimensions for integrated applications. The structure should not be designed too tightly to ensure that other components do not compress the electronic components. There is enough space for the flexible cables to be placed, while also giving the cable the enough space to restore normality.

Top View (Unit: mm)

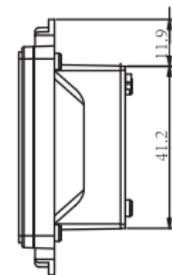


#### ■ Installation

Side View (Unit: mm)

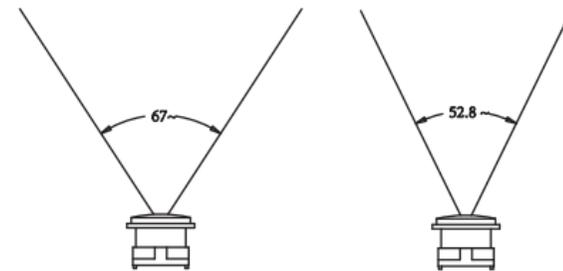


Side View (Unit: mm)



#### ■ Dimension

The dimensions of the window are designed to ensure that the field area is not obscured as a basic requirement, on the basis of which the illumination area is not blocked as much as possible. The dimensions of the window can be referred to the following(H67°, V52.8°).

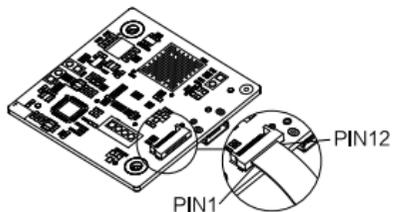


#### ■ Maintenance

- ▶ The reading window must be kept clean. Supplier is exempt from warranty liability for the damage caused by improper maintenance.
- ▶ Avoid hard and rough objects to scratch the reading window.
- ▶ Remove the stains from window with a brush.
- ▶ Please use a soft cloth to clean the window, such as glasses cloth.
- ▶ Do not spray any liquid on the window
- ▶ Do not use any cleaner other than cleaning water.

## Interface Definition

The following is the PIN connector name and signal description.



PIN#	Signal Name	(I) (O)	Description
1	NC	-	-
2	VCC	-	Input Power
3	GND	-	Grounding
4	RX	I	TTL-232 Receive
5	TX	O	TTL=232 Send
6	D-	I/O	USB communication D-differential signal
7	D+	I/O	USB communication D+differential signal
8	NC	O	-
9	BUZ	O	Buzzer output, refer to the "Interface Control" of the buzzer drive circuit for details.
10	LED1	O	LED output, refer to the "Interface Control" of the LED drive circuit for details.
11	LED2	O	LED output, refer to the "Interface Control" of the LED drive circuit for details.
12	TRIG	I	Trigger signal input, keep the low level above 10ms to trigger recognizing

## Interface Setting

The scanner can communicate with the host by RS-232 serial port or USB port. The user can switch to the corresponding interface by replacing the data line and scanning the corresponding barcode below.

### (1) RS232 Serial Port Barode



### (2) HID Virtual Keyboard



The scanner can be simulated into HID-KBW device when using the USB port. In this mode, the scanner will output data to the host as a virtual keyboard.

### (3) USB Virtual Serial Port



When the scanner uses the USB port, but the host receives data by serial port, the scanner can be set to the USB virtual serial port (This feature requires the appropriate driver to be installed on the host).

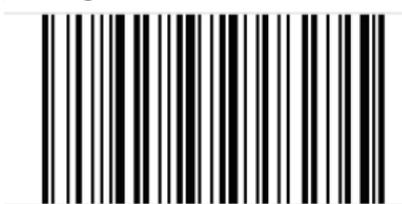
## Scanning Mode Setting

▶ Scan mode settings by scanning the barcode below

### (1) Manual Mode



### (2) Sensing Mode



### (3) continuous Mode



## Scanning Mode Setting

▶ Other

### (1) LED



### (2) Reading Successfully Sound



## Scanning Mode Setting



▲ Note: the manual mode and the reading successfully sound need to work with the development of version to achieve.

## Set Deafults

Scan the barcode to restore all scanner settings to the factory default state.



Note: Please use the "factory reset" function carefully. After reading this barcode, the current parameter settings will be lost and replaced with the factory default values.