

Instruction manual

Wired 2D barcode scanner



Dear users, thank you for choosing our products. We will serve you with high-quality products, in order to ensure that you better use this product, please read this manual carefully before use!



Introduction description

The universal handheld image 2D barcode scanner adopts the international advanced image transmission technology, with two-way communication instant error correction feedback, to complete a variety of commonly used one-dimensional codes and two-dimensional code reading. Equipped with auxiliary illumination, it can be used in different lighting environments and can also be used at night, which is highly applicable. 360° read barcodes in any direction, read faster, more efficient operation, suitable for commercial POS systems, supermarkets, warehousing and logistics, books, banking, transportation, postal, and industrial, manufacturing production process management and other fields.

Not all of the product features are listed in this manual, so please contact your supplier for more details. The rights used in this product, including the right of final interpretation of this instruction manual, are reserved by the Company (the contents of this instruction manual are modified without notice).

Product features

- 1. This product adopts CMOS camera module, which can identify one, twodimensional code and screen code.
- 2. The reading distance can be as high as 20cm, which can quickly read out the information in the bar code.
- 3. No driver required, it can be used directly plugged in, and installation is simple.



Technical parameters

Scan barcode categories	1D,2D barcode	
Code reading density	≥5mil	
The type of decoding	1D: EAN13, EAN 8, UPC-A, UPC-E0, UPC-E1, Code128, Code39, Code93, Interleaved 2 of 5, Industrial 25, Matrix 2 of 5, Code11, CodeBar, MSI, RSS-14, RSS- Ltd, RSS- Exp, Standard 2 of 5, Plessey, ChinaPost 25, GS1 Composite 2D: QR Code, Data Matrix (DM), PDF417, Han Xin, Micro PDF417, Micro QRCode, MaxiCode, Aztec Code, Code16K	
Operating temperature	Celsius -0°C ~ +50°C	
Storage temperature	Celsius -40°C ~ +60°C	
Operating humidity	5%-95% (non-condensing)	
Prompt mode	Buzzer, LED	
Scan mode	Manual, continuous	
Seismic resistance	Can be passed by 1.5m free fall test	

1. Turn on/off the configuration code settings



Factory reset



The software

version



Allows all barcodes

to be read

2. The interface settings



USB HID mode



Virtual serial port mode



TTL serial port mode



HID+TTL serial port mode





3. HID device data transmission interval



**USB data interval - 1ms



USB data interval - 2ms



USB data interval - 4ms



USB data interval - 8ms



USB data interval - 16ms

4. the reading mode setting



Manual read mode



Induction mode

5. commonly used terminator settings



CR



CR+LF



Tab



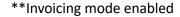
No terminator



6. Invoicing mode

In order to facilitate the use of this module in the invoicing system, users can configure the invoicing mode by reading the setting code to realize the conversion and output of the invoice code format.







Invoicing mode is prohibited

7. Data output encoding format

The user can set the output format of the reading module through the following setting code, so that the host can Chinese data output according to the specified encoding format.

Note: GbK format is used for Notepad, UNICODE format is used for Word and common chat tool input boxes.



**Data encoding format UTF-8



The data encoding format Unicode



Data encoding format GBK

8. Virtual keyboard settings



** Standard keyboard mode



Virtual keyboard mode

9. Invert the color reading mode



Allows inverse color recognition



Inverted color recognition is prohibited





10. Language settings



**United States





Belgium



Brazil



Canada



Croatia



Czech Republic



Slovakia



Denmark



Finland



France



Germany



Hungary



Italy



Latin America



Netherlands



Norway



Poland



Portugal



Serbia



Slovenia



Spain



Sweden



Swiss-French



Swiss-German



United Kingdom



Turkey -F



Turkey - Q



Japanese



Romanian



11. Troubleshooting

number	Issue	Possible causes	Solution
The interface cable is installed correctly, but the fill light is not displayed	The scanner does not have power	Make sure the host is powered on and on, and when using the USB port, connect the USB to the USB port of the computer motherboard, and do not use the extended USB port and other USB extension cables.	
	The interface cable is not connected correctly	Check if the cable connection is loose	
There is a fill light, but 2 the barcode cannot be read	This type of barcode code system is not turned on	Turn on the code by reading the setup code	
	The barcode is damaged	Try scanning other barcodes with the same barcode type	
	The distance between the scanner and the barcode is not appropriate	Move the barcode scanner closer or farther away from the barcode	
	The barcode scanner is not high enough to completely cover the barcode	Align the barcode to read the code	
The scanned data is displayed incorrectly on the host	Incorrect input method	Converts an input method to a standard English input method	
	Other settings were made for the scanner	Restore the scanner's parameters to factory settings or contact the manufacturer's after-sales service center	
4	The barcode characters are garbled or incorrect	The keyboard country setting for the barcode scanner does not match the country in which the keyboard is used	Set the barcode scanner keyboard country to match the country in which the keyboard is used
5	Other cases cannot be decoded	Device transfer error	Turn off the device power, properly connect the device to the scanner, turn on the device power, restore the scanner parameters to the factory setting state and re-scan the code





12. Simple maintenance method:

- 1. Stains and dust on the scanning window can sometimes affect the scanner's work. When cleaning, use a good quality facial tissue and gently wipe it. Then blow it clean with a blowing balloon. If you wipe with paper with poor paper for a long time, it will damage the surface finish of the scanning window and affect the reading effect of the scanner.
- 2. The scanner housing can be wiped with a clean cloth. If needed, add a small amount of dish soap to the water and wipe it with a soft cloth dipped in water.