

QR Image Barcode Scanner User Manual



7 1 2 1 3 4 0 0 0 2

V:1609

Technical Parameters

Physical parameters

Material	ABS+PVC+PC
Size	L*W*H: 157mm × 71mm × 90mm
Power Supply	DC 5V/300mA
Weight	120 ± 5g (without cable)

Performance Parameters

Supported Interface	USB, RS-232
Sensor	Planar CMOS sensor
Light Source	Red LED(Aiming) +White LED(Lighting)
Processor	32-bit MCU
Decoding Capability	Codabar,Code11,Code39/Code93,UPC/EAN,Code128/EAN128,InterLeaved2of5,Matrix2of5,MSI CODE,Standard2of5.QR CODE
Resolution	Code39 5mil, QR 8.7mil, PCS45%
Depth of Field	5MIL CODE39: 5--12 CM 15MIL CODE39 : 4--25 CM 10MIL CODE93 : 4--21 CM 15MIL UPC/EAN: 4--25 CM 20MIL QR : 4--25 CM
Scanning Speed	200scans/sec
Scanning Method	Manual Trigger, Auto-sensing
Scanning Area	5 * 5 cm² -- 30 * 30 cm²
Prompting Mode	Buzzer, Indicator light(LED)
Printing Contrast	at least 35%
Scanning Angle	Roll 0-360° ,Pitch ±65° ,Yaw ±60°

Environment Parameters

IP Grade	IP 54
Operating Temperature	0 to 50 °C / 32 to 122 °F
Storage Temperature	0 to 50 °C / 32 to 122 °F
Operating Humidity	5 – 95% (Non-condensing)
ESD Protection	15KV air discharge
Shock Resistance	1.5m free fall on concrete surface

Factory Default Settings

Please scan "Factory Default", if you need to recover all the initial setting made by factory.



Factory Default

Remark: The following setup bar codes with"" means the factory initial setting

Configuration Code ON/OFF

When configuration code is set "ON", user can setup the scanner by scanning the setup bar codes.



*ON
Setup Bar Code
Content Output



OFF



*Output content
-disable



Output content
-enable

Aiming Setting

The light beam that shot by the scanner can help user to find the best reading distance. User can choose any of the modes below according to the operation environment.

Normal mode: Light beam appears when pressing the button.

Always on: Light beam always appear when the scanner is electrified.

No aiming: Light beam won't appear in any situation.



*Normal mode



Always on



No aiming

LED Light Setting

The LED light will offer auxiliary lighting for reading. When the light beam shoots on the target object, it can improve the decoding performance and the adaptability of weak ambient light. User can set the scanner into any of the modes below according to the operation environment.

Normal mode: LED light is on when pressing the button and off at other time.

Always on: LED light is always on when the scanner is electrified.

No LED light: LED light won't be on in any situation.



*Normal mode



Always on



No LED light

Successful Reading Beep Sound

The scanner forbids the successful reading prompt sound if scan the 'Beep Sound / Off' code. It restore the sound if scan the 'Beep Sound / On' code.



*Beep Sound / On



Beep Sound / Off

Interface Setting

USB Interface

When the scanner connects to the PC via USB cable, user can set it into standard USB PC keyboard mode by scanning the below setup bar code.



USB PC keyboard

RS232

When the scanner connects to the PC via RS232 cable, user can set it into RS232 mode by scanning the below setup barcode.



*RS232 output

RS-232 Interface Baud Rate Setting

The scanner interface is standard RS-232, and the default baud rate is 9600bps. It can alter the baud rate by scanning the following bar codes.



1200bps



4800bps



*9600bps



14400bps



19200bps



38400bps



57600bps

Suffix Setting



*No Suffix



CR Suffix



TAB Suffix



CRLF Suffix

Scanning Mode Setting



*Manual trigger



Continue scanning



Auto Sensing

Reading Interval Time Setting

This function means, after the scanner reads successfully and output data, or timeout for one reading, the scanner will get into decoding mode again in a period time (time can be set).



No interval



500ms



*1000ms



1500ms



2000ms

Single Scan Duration Setting

This function is to set the longest duration of scanner decoding before reading successfully in auto sensing mode. When the scanner reads successfully or single scan overtime, it stops reading for a period time. This setting is just based on auto sensing mode.



1000ms



3000ms



*5000ms



No duration

Image Stable Time Setting

This function is to set the time of image stabilization before reading, when the operation environment changes in auto sensing mode.



100ms



*400ms



1000ms



2000ms

Language Setting



KB England



KB Czech Republic



KB France



*KB Germany



KB Hungary



KB Italy



*KB Japan



KB Spain

Version Information

In order to let the PC read the unit version information, it can confirm the message by scan the following bar code as below.



Version Information

Available Bar Code Type / Forbidden Configuration

All Decoding Bar Code

The Scanner allows reading or forbids reading all the supporting bar code if scan the following setting bar codes. It only allow to read the setting codes after scanner the forbidden code.



Allow reading all the bar code types



Forbid reading all the bar code types



*Default Type / On

Bar Code Rotating Function

Scan the following bar codes to set the scanner allow or forbid reading the 360° rotating bar code.

It can improve the scanning speed if forbid the 360° rotate function.



*Allow 360° rotate reading



Forbid 360° rotate reading

EAN13

Scan the following bar codes to set the scanner allow or forbid reading the EAN13 codes.



*Allow



Forbidden

EAN8

Scan the following bar codes to set the scanner allow or forbid reading the EAN8 codes.



*Allow



Forbidden

UPCA

Scan the following bar codes to set the scanner allow or forbid reading the UPCA codes.



*Allow



Forbidden

UPCE0

Scan the following bar codes to set the scanner allow or forbids reading the UPCE0 codes.



*Allow



Forbidden

UPCE1

Scan the following bar codes to set the scanner allow or forbid reading the UPEI codes.



*Allow



Forbidden

Code128

Scan the following bar codes to set the scanner allow or forbid reading the code 128.



*Allow



Forbidden

Scan the following bar codes to setting the shortest reading length for the code 128.



Code 128 Info shortest length '0'



Code 128 Info shortest length '4'

Scan the following bar codes to setting the longest reading length for the code 128.



*Code 128 Info longest length '32'



Code 128 Info longest length '255'

Code39

Scan the following bar codes to set the scanner allow or forbid reading the code 39.



*Allow



Forbidden

Scan the following bar codes to setting the shortest reading length for the code 39.



Code 39 Info shortest length '0'



*Code 39 Info shortest length '4'

Scan the following bar codes to setting the longest reading length for the code 39.



*Code 39 Info longest length '32'



Code 39 Info longest length '255'

Code93

Scan the following bar codes to set the scanner allow or forbid reading the code 93.



*Allow



Forbidden

Scan the following bar codes to set the shortest reading length for the code 93.



Code 93 Info shortest length '0'



*Code 93 Info shortest length '4'

Scan the following bar codes to set the longest reading length for the code 93.



*Code 93 Info longest length '32'



Code 93 Info longest length '255'

CodeBar

Scan the following bar codes to set the scanner allow or forbid reading the codebar.



*Allow



Forbidden

Scan the following bar codes to set allow or forbid sending the prefix character for CodeBar.



Allow



*Forbidden

Scan the following bar codes to set the shortest reading length for the codebar.



CodeBar Info shortest length '0'



*CodeBar Info shortest length '4'

Scan the following bar codes to set the longest reading length for the codebar.



*CodeBar Info longest length '32'



CodeBar Info longest length '255'

Q R

Scan the following bar codes to set the scanner allow or forbid reading the QR Code.



*Allow



Forbidden

Interleaved 2 of 5

Scan the following bar codes to set the scanner allow or forbid reading the Interleaved 2 of 5 code.



Allow



*Forbidden

Scan the following bar codes to set the shortest reading length for the Interleaved 2 of 5.



Interleaved 2 of 5 Info
shortest length '0'



* Interleaved 2 of 5 Info
shortest length '4'

Scan the following bar codes to set the longest reading length for the Interleaved 2 of 5.



*Interleaved 2 of 5 Info
longest length '32'



Interleaved 2 of 5 Info
longest length '255'

Industrial 25

Scan the following bar codes to set the scanner allow or forbid reading the Industry 25.



Allow



*Forbidden

Scan the following bar codes to set the shortest reading length for the Industry 25.



Industry 25 Info shortest length '0'



* Industry 25 Info shortest length '4'

Scan the following bar codes to set the longest reading length for the Industry 25.



*Industry 25 Info longest length '32'



Industry 25 Info longest length '255'

Matrix 2 of 5

Scan the following bar codes to set the scanner allow or forbid reading the Matrix 2 of 5.



Allow



*Forbidden

Scan the following bar codes to set the shortest reading length for the Matrix 2 of 5.



Matrix 2 of 5 Info shortest length '0'



* Matrix 2 of 5 Info shortest length '4'

Scan the following bar codes to set the longest reading length for the Matrix 2 of 5.



*Matrix 2 of 5 Info longest length '32'



Matrix 2 of 5 Info longest length '255'

Code11

Scan the following bar codes to set the scanner allow or forbid reading the Code 11.



Allow



*Forbidden

Scan the following bar codes to set the shortest reading length for the Code 11.



Code 11 Info shortest length '0'



*Code 11 Info shortest length '4'

Scan the following bar codes to set the longest reading length for the Code 11.



*Code 11 Info longest length '32'



Code 11 Info longest length '255'

MSI (optional)

Scan the following bar codes to set the scanner allow or forbid reading the MSI.



Allow



*Forbidden

Scan the following bar codes to set the shortest reading length for the MSI.



MSI Info shortest length '0'



*MSI Info shortest length '4'

Scan the following bar codes to set the longest reading length for the MSI.



*MSI Info longest length '32'



MSI Info longest length '255'

RSS (optional)

Scan the following bar codes to set the scanner allow or forbid reading the RSS-14.



Allow



*Forbidden

Scan the following bar codes to set the scanner allow or forbid reading the limitative RSS.



Allow



*Forbidden

Scan the following bar codes to set the scanner allow or forbid reading the expanding RSS.



Allow



*Forbidden

Scan the following bar codes to set the shortest reading length for the RSS.



RSS Info shortest length '0'



*RSS Info shortest length '4'

Scan the following bar codes to set the longest reading length for the RSS.



*RSS Info longest length '32'



RSS Info longest length '255'

DM (optional)

Scan the following bar codes to set the scanner allow or forbid reading the DM.



*Allow



Forbidden

PDF417 (optional)

Scan the following bar codes to set the scanner allow or forbid reading the PDF417.



*Allow



Forbidden

Warranty Card

1. Customers can enjoy the legal rights using the purchase invoice and the warranty card without doing any warranty procedures.
2. All the warranty items are subject to the guarantee clause and user notice that published by our company.
3. We will not guarantee the product if it is in one of the following situation, but we can offer maintenance service with charges.
 - (1) Man-made damage or improper operation;
 - (2) Damage caused by maintenance of non-professionals;
 - (3) Have no warranty card, the model is inconsistent with actual or the warranty card is obliterated;
 - (4) Irresistible damage (natural disasters like thunder, earthquake, fire, etc.)
4. Please fill in the warranty card. Do not obliterate the card. Otherwise, we will make charges maintenance.
5. Please keep this card well. We will not offer another warranty card.

Laser Barcode Scanner Warranty Proof

User Name		Telephone	
Address			
Purchasing Date	D/ M/ Y	Model	
Serial NO.		Agency	
Maintenance Record			
Date	Product Failure	Maintenance Condition	Repairman