# 2D Handheld Barcode Scanner

## Quick Guide

2D Handheld Barcode Scanner Quick Guide (Rev5)
P/N: 8013-0070040

### FCC WARNING STATEMENT

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 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.

### CANADIAN DOC STATEMENT

This digital apparatus does not exceed the Class B limits for radio noise for digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.
Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de las classe B prescrites dans le Réglement sur le brouillage radioélectrique édicté par les ministère des Communications du Canada.

### CE MARKING AND EUROPEAN UNION COMPLIANCE

Testing for compliance to CE requirements was performed by an independent laboratory. The unit under test was found compliant with all the applicable Directives, 2004/108/EC and 2006/95/EC.

### WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT

The WEEE directive places an obligation on all EU-based manufacturers and importers to take-back electronic products at the end of their useful life.

### ROHS STATEMENT OF COMPLIANCE

This product is compliant to Directive 2002/95/EC.

### NON-MODIFICATION STATEMENT

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

### WARNING AND CAUTION

1. Take any metals into contact with the terminals in connectors.
2. Use the scanner where any inflammable gases.

If following condition occur, immediately power off the host computer, disconnect the interface cable, and contact your nearest dealer.

1. Smoke, abnormal odors or noises come from the scanner.
2. Drop the scanner so as to affect the operation or damage its housing.

Do not do behavior below.

1. Put the scanner in places excessively high temperatures such as expose under direct sunlight.
2. Use the scanner in extremely humid area or drastic temperature changes.
3. Place the scanner in oily smoke or steam environment such as cooking range.
4. Be covered or wrapped up the scanner in bad-ventilated area such as under cloth or blanket.
5. Insert or drop foreign materials or water into scanning window or vents.
6. Using the scanner while hand is wet or damp.
7. Use the scanner with anti-slip gloves containing plasticizer and chemicals or organic solvents such as benzene, thinner, insecticide etc to clean the housing. Otherwise, it could not result fire and electrical shock but housing may be broken and injured.
8. Scratch or modify the scanner and bend, twist, pull or heat its interface cable.
9. Put heavy objects on interface cable.

Do Not

Do not stare the light source from the scanning window or do not point the scanning window at other people's eyes or eyesight may be damaged by direct exposure under the light.

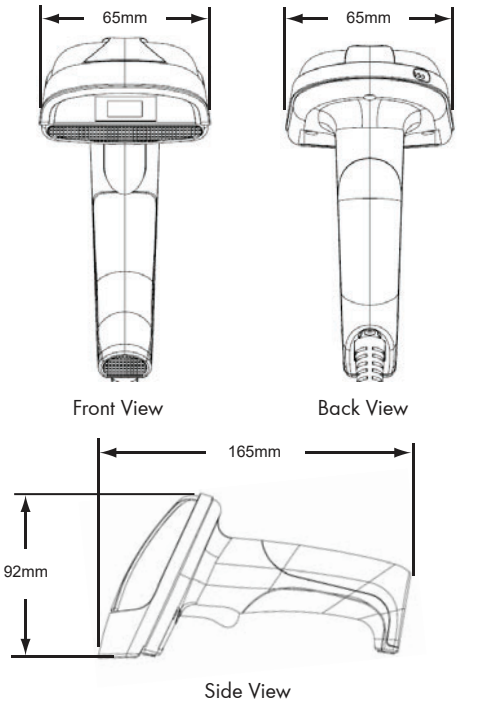
Do not put the scanner on an unstable or inclined plane.
The scanner may drop, creating injuries.

Once the interface cable is damaged such as exposed or broken copper wires, stop using immediately and contact your dealer. Otherwise, it could result fire or electrical shock.

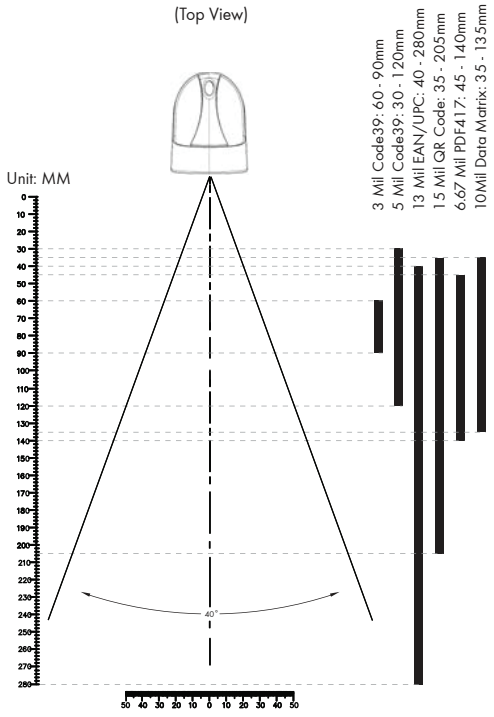
## SPECIFICATIONS

| | |
|---|---|
| Light source | visible white LED, visible red LED |
| Sensor | 1280 x 800 |
| Scan rate | 120 frames/sec |
| Resolution | 3mil/ 0.075mm |
| PCS | 20% |
| Depth of Field (Typical) | 3 Mil Code39: 60 - 90mm<br>5 Mil Code39: 30 - 150mm<br>13 Mil UPC/EAN: 40 - 280mm<br>15 Mil QR Code: 35 - 205mm<br>6.67 Mil PDF417: 45 - 140mm<br>10 Mil DataMatrix: 35 - 135mm |
| Dimension | L166 x W71 x H84 mm |
| Weight | 172g |
| Connector | USB Type A |
| Cable | 210cm/82.67in (Fixed) |
| Interface | USB HID, USB VCP |
| Indicator | LED, Buzzer |
| Voltage | 5VDC±5% |
| Working Current | Typ. 300mA |
| Standby Current | Typ. 65mA |
| Operating Temp. | -20 to 50°C (-4°F to 122°F) |
| Storage Temp. | -40 to 60°C (-40°F to 140°F) |
| Ambient Light | 70,000 lux (Sunlight) |
| Drop Durability | 1.5M |
| Symbologies | QR Code, PDF417, MicroPDF417, Aztec, DataMatrix and major 1D barcodes |

## DIMENSIONS




## SCANNING RANGE




## BEEPER INDICATION

| | |
|---|---|
| Single Long Beep | Power up |
| Single Short Beep | Good read |
| Two beeps | Successful setup |

## LED INDICATION

| | |
|---|---|
| Off | Standby or No power |
| Blue | Power up or Good read |

## GETTING STARTED

1. The scanner works like an USB keyboard. Make sure your host device supports USB keyboard before use.
2. Plug the scanner to the USB port of your host device. The scanner will emit three beeps at power-up.
3. The OS will automatically intall USB driver for the scanner if it is connected to your host device for the first time. Wait until the installation finishes.
4. Open Notepad or any application that can accept keyboard input. Try scanning some random barcodes and the barcode data will be displayed.

## GENERAL SETTINGS

**DEFAULT**


**CHECK VERSION**


**RESET / ABORT**

## READING MODE

. F002$

TRIGGER MODE

* The LED will turn on when the trigger is pressed.
* The LED will turn off when trigger is released.

. F007$

**AUTO SENSING MODE**

* By default, the scanner will simply operate like Trigger Mode which requires manual trigger. To enable auto-sensing, place the scanner on an Auto Hands-free Stand or disable Magnetic Switch by scanning below configuration barcodes.

## MAGNETIC SWITCH

. F034$

**ON**

. F035$

OFF

## UTF-8 TO UNICODE

. C045$

ON

. C044$

**OFF**

## INVERSE BARCODE

. D022$

ENABLE INVERSE BARCODE

. D021$

**DISABLE INVERSE BARCODE**

## VIBRATOR

. D034$

ON

. D035$

**OFF**

## BEEP TONE

. F019$

BEEP HIGH

. F018$

**BEEP MEDIUM**

. F022$

BEEP LOW

. F012$

BEEP OFF

## ENABLE SYMBOLOGIES

. A002$

ENABLE ALL CODE

. G036$

ENABLE ALL 1D CODE

. G038$

ENABLE ALL 2D CODE

## CAPSLOCK

. A005$

**CAPSLOCK OFF**

. A004$

CAPSLOCK ON

. A006$

CAPSLOCK FREE

## TERMINATOR

. D010$

NONE

. D013$

CR+LF

. D011$

LF

. D014$

TAB

. D012$

**CR**

. D015$

SPACE

. D016$

ESC

## DISABLE SYMBOLOGIES

. A003$

DISABLE ALL CODE

. G035$

DISABLE ALL 1D CODE

. G037$

DISABLE ALL 2D CODE

## INTERFACE

. C008$

USB HID

. C006$

USB VCP

## OPOS

. A030$

ENABLE OPOS

. A031$

**DISABLE OPOS**

## KEYBOARD LAYOUT

. C010$

**ENGLISH (USA)**

. C009$

JAPAN (106 key)

. C018$

ENGLISH (UK)

. C025$

CANADIAN (FRENCH)

. C012$

FRENCH

. C034$

CANADIAN (TRADITIONAL)

. C011$

GERMAN

. C029$

NORWEGIAN

. C014$

ITALIAN

. C026$

SWEDISH

. C013$

SPANISH

. C031$

PORTUGUESE

. C017$

CZECH (QWERTY)

. C030$

BELGIAN (AZERTY)

. C022$

CZECH (QWERTZ)

. C028$

DUTCH

. C021$

HUNGARIAN (QWERTZ)

. C027$

DANISH

. C024$

HUNGARIAN (101 KEY)

. C032$

SLOVAK

. C016$

SWISS (GERMAN)

. C033$

BRAZILIAN (PORTUGUESE)

. C023$

SWISS (FRENCH)

. C015$

ALT CODE