

2D FIXED BARCODE SCANNER Quick Guide

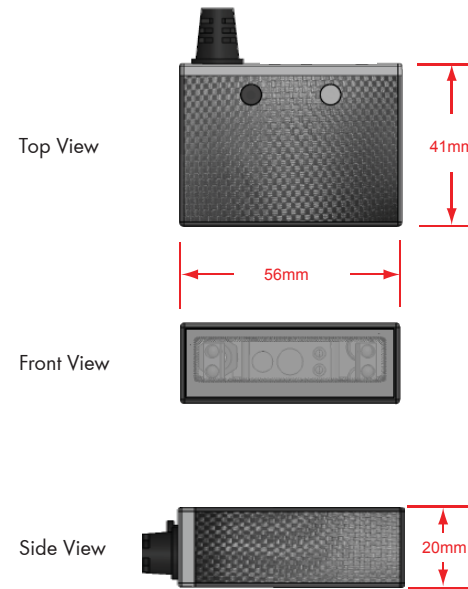


2D FIXED BARCODE SCANNER QUICK GUIDE (REV3)
P/N: 8013-0055010

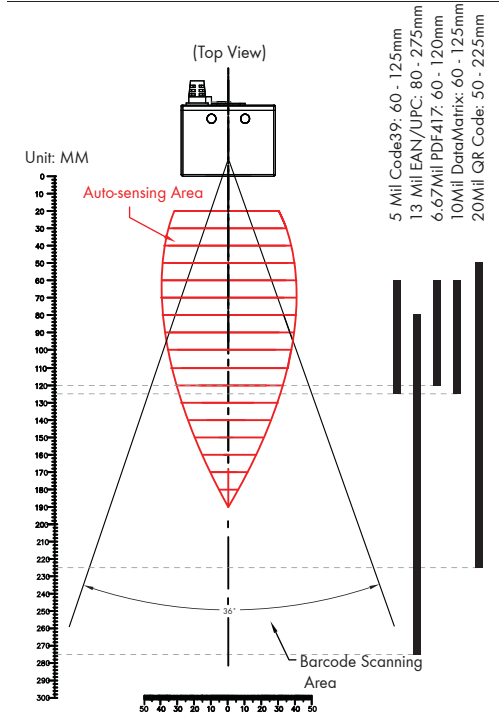
SPECIFICATIONS

Light source	5000K CCT White LED
Aimer	640nm visible red LED
Scan rate	30 frames/sec
Resolution	5mil (1D), 6.67mil (2D)
PCS	30%
Width of Field	116mm (13Mil Code39)
Depth of Field	5 Mil Code39: 60 - 125mm
(Guaranteed)	13 Mil UPC/EAN: 80 - 275mm
	6.67 Mil PDF417: 60 - 120mm
	10 Mil DataMatrix: 60 - 125mm
	20 Mil QR Code: 50 - 225mm
Dimension	W56 x L41 x H20 mm
Housing	ABS (Housing), PC (Back Cover)
Weight	91g
Cable Length	90cm/35.4in (Fixed Cable)
Interface	RS232, USB HID, USB VCP
Voltage	5VDC±5%
Working Current	< 320mA
Standby Current	< 130mA
Operating Temp.	-10 to 55 °C (14 °F to 131 °F)
Storage Temp.	-20 to 65 °C (-4 °F to 149 °F)
Ambient Light	30,000 lux
Drop Durability	1.5M
Sealing	IP55
Symbologies	all major 1D and 2D barcodes

DIMENSION



SCANNING RANGE (Guaranteed D.O.F.)



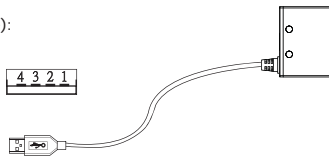
STEP1 - CONNECT TO HOST

USB Connection

1. Connect the scanner to the host.
2. The scanner will be powered by the USB connection.

USB (Type A Male):

Pin	Signal
1	+5VCC
2	Data -
3	Data +
4	GND

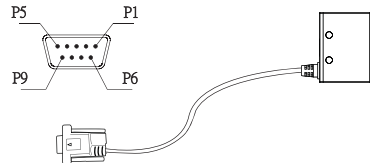


RS232 Connection

1. Connect the scanner to the host.
2. Supply power directly to Pin 9 or plug power adapter to the DC Jack. The scanner will be powered up.

RS232 (D-Sub 9 Female):

Pin	Signal
2	TXD(Out)
3	RXD(In)
5	GND
7	CTS(In)
8	RTS(Out)
9	+5VCC



STEP2 - CONFIGURE INTERFACE

USB Connection

1. By default, barcode data will be sent as HID keyboard input (USB HID).
2. Below configuration barcodes allow you to switch between two USB modes (USB HID & USB VCP)
3. For USB VCP driver, please download it from our web-site or contact your local distributor.
4. Only USB VCP interface allows you to enable software trigger (see back page for details)

USB HID



USB VCP

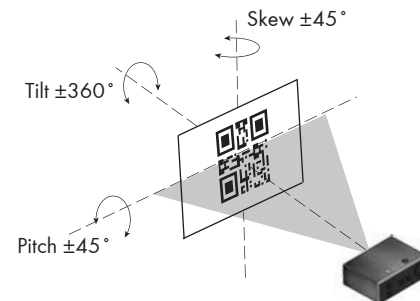


RS232 Connection

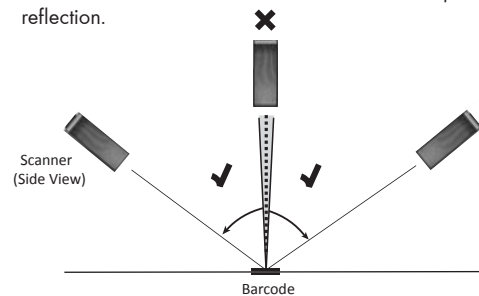
1. By default, barcode data will be transmitted by the communication protocols of 9600-8-N-1
2. RS232 interface allows you to enable software trigger (see back page for details)

STEP3 - POSITION SCANNER

1. Maximum Scan Angle: Skew $\pm 45^\circ$, Pitch $\pm 45^\circ$, Tilt $\pm 360^\circ$



2. Pitch the scanner at a minimum of $\pm 5^\circ$ to avoid specular reflection.



STEP4 - INSTALL SOFTWARE UTILITY

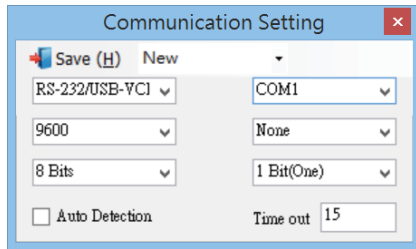
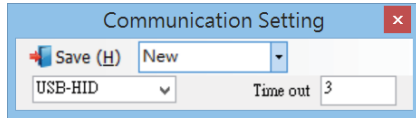
Please visit www.marson.com.tw
and enter **MT6225 > Downloads**

Or simply scan below barcode for URL




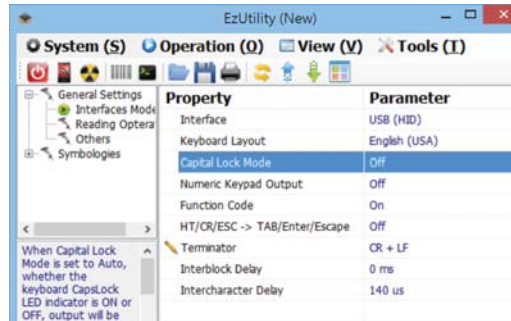
STEP5 - CONNECT



1. Right-click on the  icon on the desktop and tick "Run this program as an administrator" in the pop-up menu.
2. Double-click  icon on the desktop to launch the program.
3. In Communication Setting window, select "USB" or "RS232" as interface according to your unit. Select Click "New" as Product Genre. Click [Save] to continue.



STEP6 - CONFIGURE THE SCANNER

1. Click on  icon on the toolbar to retrieve scanner's parameters.
2. Double-click on the items you want to edit and then press [Enter] to save changes.



3. Click on  icon on the toolbar to update scanner's parameters.
4. Click on  icon on the toolbar if you want to save current configurations for later use.

ADVANCED - READING MODE

Infrared Auto-Sensing Mode

1. By default, the scanner is in Infrared Auto-Sensing Mode, which enables it to start scanning when an object comes within Auto-Sensing Range. The scanner will scan again only after the object/barcode that has been successfully scanned previously is removed from Auto-Sensing Range. This mode is best suited for access control, kiosk, parking , e-locker and so on.
2. Auto-Sensing Range is configurable. To configure Auto-Sensing Range, go to Ez Utility > General Settings > Reading Operation > Auto-Sensing Range; there are three options available:
 - (1) Near - Max. 13cm Auto-sensing Range
 - (2) Middle (Default) - Max. 20cm Auto-sensing Range
 - (3) Far - Max. 27cm Auto-sensing Range

Continuous Mode

1. Continuous Mode enables the scanner to scan continuously. To configure Continuous Mode, please go to Ez Utility > General Settings > Reading Operation > Reading Mode
2. Continuous Mode can deal with more scan-intensive applications, such as factory automation (production line).

ADVANCED - READING MODE & COMMAND

Serial Trigger Mode

1. The scanner with RS232 or USB VCP interface supports Serial Trigger Mode which allows user to start scanning by software trigger sent from the host.
2. To configure Serial Trigger Mode, please go to Ez Utility > General Settings > Reading Operation > Reading Mode
3. In Serial Trigger Mode, the scanner will start scanning after receiving below command:

{ G }

The scanner stops scanning after a successful barcode scan or receiving below command:

{ S }

*Note: Full functions of the scanner can be controlled by the host through software command via RS232 or USB VCP interface. For full list of commands, please refer to Serial Command Manual which is available from our website or your local distributor.