



IW50

Industrial Wireless 2D Barcode Scanner

Strong decoding performance

Super long scan distance

Light and stylish design



1D/2D



1280x800Pixel



Auto



Plug and play



2.4G



Bluetooth 5.2

Features

- 1280x800 pixels image sensor, combined with unique algorithm.
- Long scan distance and strong decoding performance.
- 2.4G+Bluetooth dual connection mode, flexible data transmission.
- 3200mAh large capacity battery supports long time working.
- Ip65 standard rugged housing withstand 2m free drop.



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Technical Parameters

Performance Parameter

CPU	32-bit ARM
Scan Mode	Manual & Automatic
Image Sensor	CMOS
Image Size	1280x800 Pixels
Scanning Speed	60 FPS
Mnimum Resolution	≥3mil
Light Source	White LED Lighting, Laser aiming
Decoding Depth	40~470mm (13mil EAN-13 PCS=90%)
Print Contrast	≥15%
Field Angle	Horizontal 40.6°; Vertical 30.4°
Interface	USB, USB-VCOM, RS232
Decoding Capability	1D: Codabar, Code 11, Code 39, Code 32, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code 93, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, GS1 DataBar (RSS14), Standard 2 of 5 2D: PDF417, Micro PDF417, QR Code, Micro QR, Data Matrix, Aztec Code, MaxiCode



Other Parameters

Depth Of Field Performance

Size	Scanner: 98×76×204 (mm) Cradle: 252x101x70 (mm)	Barcode category	Minimum (mm)	Maximum (mm)
Weight	Scanner: 340g Cradle: 380g	Code 39 4mil	40	200
Materials	ABS+PC (with flame resistant effect)	Code 39 13mil	70	540
Drop Resistance	2m	Code 39 20mil	80	600
Working Current	381mA	Code 39 87mil	360	3450
Standby Current	186mA	EAN-13 4mil	50	180
Charging Time	5H	EAN-13 13mil	40	470
Continuous Battery Life	30H	EAN-13 20mil	60	600
Battery Capacity	3200mAh	EAN-13 108mil	330	4560
Temperature (Operating)	-10°C~50°C	Code 128 4mil	40	170
Humidity	5% to 95% (non-condensing)	Code 128 13mil	10	480
Temperature (Storage)	-20°C~60°C	Code 128 20mil	60	600
IP	IP65	Code 128 154mil	370	5900
Communication Distance	2.4G mode: 100m Bluetooth mode: 100m (open space)	QR 6mil	50	150
Communication Methods	Supports 2.4G and Bluetooth wireless communication	QR 20mil	50	400
Resistance To Ambient Light	0 ~ 100,000lux (Sunlight)	QR 350mil	380	7300

*IW50-22/07/26B-V1.0.1