



X10 -2D

Handheld Barcode Scanner

User Guider

Version No.: V1.0

Brief Introduce

X10-2D is an industrial handheld two-dimensional wireless barcode scanner with excellent reading performance and can easily read barcodes on different media such as paper, products, screens, etc. The product adopts enhanced wireless 2.4G transmission technology, and the effective distance in outdoor open environment can reach more than 100 meters, and it can support both wired and wireless transmission methods. It can be mainly used for mobile payment, commodity barcode scanning, inventory counting, etc.

Item Features

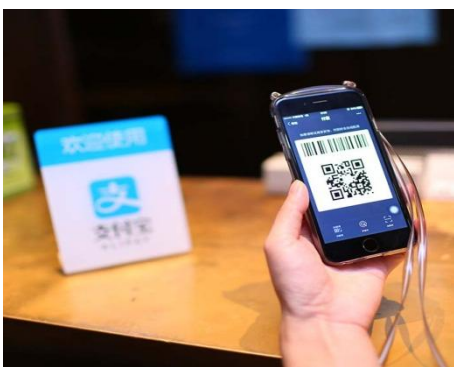
- > 5000mAh large-capacity battery, can work continuously for more than 24 hours, standby up to 4500 hours;
- > Highly integrated two-dimensional decoding structure, anti-fall and anti-seismic;
- > Using high-performance MCU, easily identify all mainstream one-dimensional and two-dimensional bar codes in the market;
- > Easily read barcodes above 3MIL to meet daily scanning needs;
- > Two-dimensional imaging technology can easily read barcodes on paper, printing, plastic and screen.
- > Enhanced wireless 2.4G transmission technology, reliable outdoor open transmission distance can reach more than 100 meters, while supporting wired transmission without switching;
- > Support multiple working modes (manual, induction) to meet different reading needs;



>Support synchronous mode, scan and transfer, support storage mode, large capacity can store more than 100,000 commodity codes.

Application

Medical and health care, mobile payment, card verification, chain retail, express delivery, manufacturing, warehousing and logistics, warehouse management, food traceability, electricity meter reading, asset inventory.



Product Specification

Communication	USB+Wireless 2.4G
Image Sensor	CMOS
Resolution	640*480, 0.3 mega pixels; 1280*720, 100mega pixels
Scan Ability	≥3mil/0.076mm (PCS90%,CODE 39)
Scan depth	10mm~550mm (different barcode ranges)
Speed	35CM/S
Scan Mode	Manual / Auto Scan
Prompt method	LEDindicator、Beeper
Field of view	40° * 30°
Read angle	<i>Test Conditions: CODE39,10mil/0.25mm,PCS90%</i>
	Roll: ±360°, Pitch:±60°, Skew: ±55°
Print contrast	≥20%
Ambient light	Dark environment, indoor natural light,
Code system	1D: UPC-A, UPC-E, EAN-8, EAN-13, Code 128, GS1-128, Code 39, Code 32, Code 93, Code 11, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5(Straight 2 of 5), Codabar (NW-7), MSI , GS1 Databar(Omnidirectional, Limited, Expanded), etc. 2D: QR Code, Micro QR Code, Data Matrix, PDF417, Micro PDF 417,



Aztec, etc.

Wireless Specs

Wireless mode	Realtime mode, storage mode
Interface	Wired USB, Wireless 2.4G
Wireless standard	2.4GHZ (ISM Frequency band)
Transmission distance	2.4GHz,100meters
Storage	16Mb (over 100,000 Product code)
Battery	5000mAh
Charging time	About 5-6 hours
Working time	≥24hours
Standby time	4500hrs
Support OS	Windows, Mac OS, IOS, Linux, Unix, Android,

Mechanical/Electrical Performance

Item Weight	About 224 g (Scanner) (not include others)
Item Size	L153.2mm * W66 mm * H110.45mm
Cable Length	1.5meters
Interface	Type-B USB
Working Voltage	DC 5V
Current	180mA (Working)



Working Environment

Working Temp	0°C to 50°C
Storage Temp	-30°C to 60°C
Working Humidity	5% to 95% (No-condensation)
Transport vibration	10H@125RPM

Accessories List

Cable	USB cable: used to connect the base and the host, and can be used to directly charge the scanning gun and USB wired communication;
Wireless receiver	Connect to the host for data reception of the scanner.

Typical depth of field

Code Type	Code Density	Min	Max
Code 39	0.076mm(3mil)	20mm	130mm
Code 39	0.127mm(5mil)	10mm	140mm
Code 39	0.5mm(20mil)	20mm	350mm
Code 39	1mm(40mil)	90mm	550mm
UPC/EAN	0.33mm(13mil)	25mm	260mm
QR Code	20.0mil	10mm	200mm
Data Matrix	10mil	20mm	130mm
PDF 417	6.8mil	20mm	130mm

Test conditions: room temperature 25°C, environmental illumination 200LUX, PCS=0.9

