I2-RU Industrial 2D Image Wireless Scanner

I2-RU is industrial grade 2D optical imaging scanner, with flexibly switch between wireless and wired modes. The device delivers industrial leading performance and durability in Retail, Logistics, Medical, Manufacturing, Office Automation, etc.

It contains the optical system, coupling system, graphics digital, decoding image processing, embedded system and a series of comprehensive technology, easy to scan QR Code, DataMatrix, PDF417, Maxicode and so on.

- Excellent identification ability
  Fully support quickly and accurately decode all commonly 1D, 2D symbologies.

- Ultra-long distance transmission
  200 meters long distance transmission, supports automatic frequency modulation.

- Convenient and comfortable handle
  Fashion and ergonomics design with convenient and comfortable handle, doubles and boost the work efficiency.

- Optional two modes switching
  Flexibly switch between wireless and wired mode, the device will automatically switch to wired mode when connected with charging cable.

- Powerful endurance ability
  2200mAh rechargeable polymer lithium battery, the device can continuously run for over 30 hours with fully charged, and scan 30,000 times.

- Industrial grade durability
  IP54 industrial grade, it can bear the height of 3m dropping and ground impact.

Performance parameters

Image Sensor	CMOS	Decoding rate	≥300 times/s
Scanning accuracy	≥4mil	Print contrast ratio	20%
Decoding ability	1D: EAN-13 (with additional code), EAN-8 (with additional code), UPC-A , UPC-E, ISSN, Codabar, Code128 (include FNC1, FNC2, FNC3 subset), Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar , Code 39, Code11, MSI-Plessey, Plessey, etc. 2D: PDF417, DataMatrix, QR, etc		
Scanning angle	Skew: ±60°. Pitch: ±65° Roll: ±360°	Prompting mode	Buzzer, LED indicator light
Interface	Built-in automatic identification USB, USB-COM	Scan Mode	Automatic sensing (optional) scanning, Continuous scanning , Manual scanning.
Working voltage	DC5V±0.25V	Working current	300mA
Decoding depth of field	30mm-450mm		

Physical parameters

External dimension	Length × width × height= 120x71x176mm	Weight	193 g (excluding wire)
Material	ABS+PC (environmental materials)	Key life	10 million times
Battery capacity	2200mAh	Charging time	4.5-5h
Scanning times	30,000 times (1time/s in 100% charge)	Center frequency	433MHz
The distance of communication	200 m (open area)	Receiver size	Length × width × height= 84x24x11mm

Environmental parameters

Working temperature	-15°C to 45°C	Storage temperature	-40°C to 60°C
Humidity	5% to 95%	IP grade	IP54
Certificates	CCC, ROHS, IP54, CE, FCC and ISO9001	Height of anti-dropping	Withstand the drop to the concrete floor from at least 3 meters for multiple times.