IDZOR
TECHNOLOGIES
Good ideas and best solutions

IDZOR R1000

Bluetooth Ring Barcode Scanner for iOS, Android, Windows, Mac

2D CMOS

An effective solution for scanning of two-dimensional bar codes.

IDZOR R1000 easy to connect to iOS and Android devices. Using the Bluetooth protocol, you can transfer the data directly to the mobile devices of all types, laptops, personal computers. Scan barcodes in any application on your smartphone.

IDZOR R1000 opens up new possibilities in the process of identification data. Scanner-ring is small and lightweight, convenient to be fixed on the finger. Due to the rotary scanning head, it can be mounted on the left or right hand. The scanner allows you to work with both hands at the same time convenient to scan barcodes by pressing your thumb on the Scan button.

This solution is ideal for the assembly of goods in the warehouse before shipment, to identify the product data in the logistics business processes, for inventory, etc.

Additional benefits

Scanner-ring IDZOR R1000 perfectly compatible with a special accessory WR-1000 wearable platform. IDZOR WR-1000 - is a portable platform for smartphone, convenient fixed on the wrist, and allows you to send scanned data to your smartphone wired and wirelessly.

Specification	R1000 2D CMOS Bluetooth Ring Barcode Scanner
Mechanical	Length:53.9mm, Width: 40.0mm, Height:50.3mm
Weight	60g
Electrical	Power: DC5V Typical: 230mA DC5V
CPU	32bit ARM CPU
Data storage	100KB for offline mode: 6000 15 bytes barcodes(Other flash is optional)
Scan mode	Manual mode, Continuous, Host, Sense mode
Working mode	Bluetooth mode, USB mode, offline mode and RS232 mode(optional)
Artificial light immunity	0 ~ 100,000 lux
Scanner performance	Sensor Type: 752×480 CMOS Light: RED LED 625±10nm Scanner Rate: 30 times Scanner Angle: ±50°,±50°,±360°(skew, pitch, Roll) View angle: horizontal: 36°, Vertical: 23°. Contrast: ≥30% Reading accuracy: ≥ 5mil
Battery power	Internal Battery: Changeable 350mAh Li-ion Battery, Standby 5 days, working time after full charge with good decode as below: Charge time: About 1.5hours

**1x R1000
2D CMOS**

**1X 3.7V 14250
Li-ion battery**

1X Velcro

1X Silicone Case

1X USB cable

Battery power table:

Continuous trigger scanning interval	Decoding number	Working time
1S	12200	3.4hours
5S	6300	8.8hours
10S	5600	15.6hours

Barcode Type	1D: EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128 (including FNC1, FNC2 and FNC3), Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar (RSS-Expand, RSS-Limited, RSS-14), Code 39, Code 11, MSI-Plessey, Plessey. 2D: PDF417, QR Code(Model 1/2, Micro), Data Matrix (ECC200,ECC000,050,080,100,140)
Decoding depth & Max. resolution	(1 mil = 0.0254 mm)

UPC-A (13mil):	55mm - 270mm
Code 39 (20mil):	50mm - 340mm
PDF 417 (6.67mil):	70mm - 165mm
Data Matrix (10mil):	55mm - 180mm
QR Code (20mil):	35mm - 275mm

Communication	Class 3 Bluetooth HID, SPP with 20M distance, USB, RS232 cable(optional)
OS	IOS, Android, Windows, Mac
Certificate	CE, Rohs, FCC, EN60950, IEC60825, IP64, EMC, 1.2m drop test(500 times). Utility Model Patent No.: ZL201420211350.8
Laser safety	IEC60825-1-2007, Class 1
Temperature	Operating: -10°C to 60°C (-4°F to 140°F); Storage: -40°C to 70°C (-40°F to 158°F)
Humidity	5% to 90% (non-condensing)