



iData RS200

High performance QR code scanning ring

Release both hands and expand the new experience of code scanning

iData RS200 is a wireless barcode scanning ring designed specifically for flexible work scenarios. Through innovative product design, it achieves lightweight design, with extremely small size and weight that can provide burden free long-term wear; Touch sensitive buttons can make operations smoother and increase efficiency; Excellent operational experience efficiently liberates hands, naturally integrates scanning actions into refined processes such as handling, sorting, and packaging, reduces operational interruptions caused by frequent switching of different tools, significantly improves operational fluency and work efficiency, and aims to help users achieve efficient data collection in packaging table scenarios such as warehousing logistics, retail inventory, and e-commerce shipments.

Extremely small size and lightweight

RS200 adopts miniaturized module integration technology, and its extremely compact body size allows it to be worn well on the hand. The weight of a single machine is only 20g, and it will not affect finger flexibility during long-term wear, nor will it bring additional burden. Provides excellent uninterrupted operation experience in scenarios where scanning switches frequently with other tasks;

High performance scanning

A high-performance scanning engine that supports fast reading of one-dimensional and two-dimensional codes of various code systems. Paired with a uniform white fill light, it can have good scanning performance in different environments. LED indicator lights and vibration prompts make the confirmation of scanning results more timely, without the need to shift focus, making the workflow smoother;

Bluetooth transmission is stable

Paired with Bluetooth 5.3 transmission module, it ensures low-power operation while achieving stable transmission with low latency, and also has wide system compatibility. With a transmission radius of up to 50 meters in open environments, it can meet the needs of mobile scenarios such as cross regional picking in warehousing and logistics, outdoor logistics vehicle loading and unloading, and is particularly suitable for flexible operations such as packaging stations, pallet scanning, and high-altitude shelf inspections.



Retail stores



Express logistics



E-commerce shipment



Warehouse management

RS200 Technical Specifications

Scan code parameters

SENSOR	Global Shutter, Over 1 million pixels, black and white, frame rate of 60fps
Fill light	White uniform fill light
Aiming light	Laser Cross Aiming
Support code system	One dimensional code: Code128, UCC/EAN 128, AIM128, EAN 8, EAN 13, ISBN/ISSN, UPC E, UPC A, Interleaved 2 of 5, ITF6, ITF 14, Standard 25, Codabar, Industrial 25, Code39, Code 93, Code 11, Plessey, MSI-Plessey, GS1 DataBarTM(RSS), Matrix 2 of 5 QR codes: PDF417, QR Code, Data Matrix, Aztec, Micro PDF, Micro QR
Scanning accuracy	Support 3.33mil barcode
Scanning depth of field	3.33mil Code128: 9~16cm 10mil Code128: 5~44cm 10mil QR Code: 6~25cm 20.83mil QR Code:4~43cm
Contrast ratio	Supports 8% low contrast barcodes
Scan code function	Support multiple modes such as precise decoding, automatic recognition, batch recognition, etc

Performance parameter

Bluetooth	Bluetooth 5.3, Support BLE; Stable transmission distance of 50m (open environment)
Battery	Rated voltage 3.7V, capacity 200mAh
Battery life	Scan every 5 seconds, battery life>12h
Charging	Supports single charging cradle, with a charging time of 1.5 hours
Keypads	One virtual button on each side; Button lifespan>1 million times;
Prompt	Vibrating alert LED prompt: red green dual color light, scan code successfully, green flashing, low battery red light flashing

Structure parameters

Dimension	Length 38mm, width 28mm, height 18mm
weight	20g (excluding ring sleeve)
colour	Black

Environmental parameters

Working temperature	Discharge temperature: -10-50 °C
Storage temperature	-40°C~70°C
Humidity	5% to 95% (no condensation)
Protection grade	IP65
Drop specification	Bare machine, 1.5m cement floor drop, 6 sides and 4 corners drop for 2 rounds, a total of 20 times
Roller Drop Specification	Bare machine 2000 times, 1000 laps, 0.5m roller drop, STEEL
Salt mist	Host and accessories meet the 48 hour salt spray requirement
Electrostatic Discharge	± 8KV contact, ± 15KV air

Accessory

Standard accessories	Single seat charger, data cable, ring sleeve
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other

Packaging materials	Airplane Box
Certification	Battery CCC certification, whole machine SRRC certification

Single charging cradle

Provide charging function for the ring, using USB Type-C connection, providing 5V0.3A charging



CHA-CRD1S-RS200

Data cable

USB TypeA-TypeC data cable, length 1.5m



CHA-USBC-GNR

Ring mount kit

Wear the ring on the finger wearing kit, available in XS/S/M/L/XL sizes



MNT-BS-RS200

The information of iData products and software service may be subject to change without notice. Please contact your iData sales representative for the latest details.



Official Website

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