

RS-8000BT Wearable 2D Barcode Scanner



PRODUCT OVERVIEW

Model	RS-8000BT
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D/2D
Scan Engine	CMOS
Sensor Resolution	1280×800 CMOS
Illumination	Red LED White LED Maximum 107,639 lux (direct light)
Aiming System	Red LED
Minimum Element Resolution	1D:5 mil Code 39 2D:7 mil QR code
Minimum Print Contrast	≥25%
Field of View	Horizontal 42°; Vertical 28°
Angular Tolerance	Roll 360°, Pitch ± 55°, Skew ± 55°
Depth of Field	EAN-13 35 mm-420 mm (13 mil) Code39 45 mm-165 mm (5 mil 10 bytes) QR Code 25 mm-330 mm (20 mil 16 bytes) Data Matrix 40 mm-150 mm (10 mil 20 bytes) PDF 417 25 mm-180 mm (6.67 mil 7 bytes)
Supported Symbologies	2D: QR/Micro QR, Data Matrix, PDF417, MaxiCode, Aztec 1D: EAN, UPC, Code 39, Code 93, Code 128, UCC/EAN 128, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, MSI-Plessey, GS1 DataBar, Code 11, Industrial 25, Standard 25, Plessey, Matrix 2 of 5
Trigger Modes	wearableManual triggerscanning (presentation mode configurable, Continuous mode)

Connectivity & Wireless	
Connectivity	Wireless, Bluetooth Bluetooth 4.2 (supported versions 2.0, 3.0, 4.0, 4.2)
Host Interfaces	Type-C
Wireless Range	Bluetooth: Up to 30 m
Onboard Memory	64kb~2M

Power	
Battery Capacity	550 mAh

Power	
Operating Time	3 minutes to enter standby
Standby Time	3 minutes to enter standby
Charge Time	3-4 hours
Operating Voltage	5 VDC±5%

Physical Specifications	
Dimensions	ring scanner: 51 × 41 × 50 mm Cradle: 71 × 56 × 39 mm
Weight	ring scannerApprox. 50 g CradleApprox. 54 g
Enclosure Material	ABS+TPR
Color Options	Black+Blue
Cable Length	1.2 m
Stand Included	No
User Feedback	Buzzer, LED indicator, Vibration

Environmental & Compliance	
Operating Temperature	-4° F to 122° F / -20° C to 50° C
Storage Temperature	-22° F to 158° F/-30° C to 70° C
Relative Humidity	5%-90%
Ambient Light Immunity	Maximum 107,639 lux (direct light)