

RW185 Wearable Portable 2D Barcode Scanner



PRODUCT OVERVIEW

Model	RW185
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D/2D
Scan Engine	CMOS
Sensor Resolution	1280 x 960 pixels, Rolling shutter
Illumination	Green LED Warm-white LED
Aiming System	Green LED
Minimum Element Resolution	1D:≥3 mil 2D:≥5 mil
Field of View	Horizontal: 44.5°, Vertical: 33.5°
Angular Tolerance	Skew tolerance: ±60° Pitch tolerance: ±60° Roll tolerance: 360°
Depth of Field	5 mil Code 39 2.4 in/6.1 cm to 9.5 in/24.1 cm 5 mil Code 128 2.8 in/7.1 cm to 9.0 in/22.9 cm 6.67 mil PDF 417 2.4 in/6.1 cm to 8.0 in/20.3 cm 10 mil DataMatrix 2.9 in/7.4 cm to 8.5 in/21.6 cm 100% UPCA 1.8 in/4.6 cm to 19.5 in/49.5 cm 15 mil QR 1.2 in/3.0 cm to 11.5 in/29.2 cm 20 mil QR 1.2 in/3.0 cm to 14.0 in/35.6 cm
Supported Symbologies	2D PDF417, MicroPDF417, Code 128 Emulation, QR Code, MicroQR, Data Matrix, MaxiCode, Aztec 1D Code128 (UCC/EAN-128, GS1-128, ISBT 128), UPC/EAN(UPC-A, UPC-E, EAN-8/JAN-8, EAN-13/JAN-13, ISBN, ISSB EAN), Code39, Code32, Code93, Code11, Interleaved 2 of 5 (ITF), Discrete 2 of 5 (DTF), Codabar (NW-7) MSI, Chinese 2 of 5, Matrix 2 of 5, Korean 3 of 5, Inverse 1D, Postal Codes, GS1 DataBar, Composite
Trigger Modes	Manual trigger, Continuous mode, Presentation mode, Host-command trigger

Connectivity & Wireless	
Connectivity	Wired, 2.4 GHz wireless, Bluetooth
Host Interfaces	USB
Wireless Range	2.4 GHz: up to 65 m Bluetooth: up to 20 m
Onboard Memory	64kb~2M

Power	
Battery Capacity	550 mAh
Operating Time	3 minutes to enter standby
Standby Time	3 minutes to enter standby
Charge Time	Approx. 3 hours 5V 1~2A
Operating Voltage	5V±5% 350 mA ±5% 0.6µA

Physical Specifications	
Dimensions	Scanner: 66 × 41 × 44
Weight	Scanner: Approx. 50 g
Enclosure Material	Rigid housing: ABS
Color Options	Black, Orange
Cable Length	Type-C Cable length: 1.2 m
Stand Included	No
User Feedback	Buzzer, Vibration, display, indicator

Environmental & Compliance	
Drop Resistance	Withstands a 1.2 m drop to concrete
Operating Temperature	-20°C~+60°C
Certifications	CE, RoHS, FCC