

RD-1950 Rugged Industrial Barcode Scanner



PRODUCT OVERVIEW

Model	RD1950
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D/2D
Scan Engine	CMOS
Image Sensor	CMOS
Sensor Resolution	CMOS 1280×800 CMOS
Illumination	White LED Red LED 0~100000 lux
Aiming System	Red LED
Minimum Element Resolution	1D≥3 mil 2D≥5 mil
Minimum Print Contrast	≥20%
Angular Tolerance	Roll 360°, Pitch ± 55°, Skew ± 55° Horizontal: 42°, Vertical: 28°
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, Han Xin 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	Manual trigger, Continuous mode, Presentation mode

Connectivity & Wireless	
Connectivity	Wireless, 2.4 GHz, Bluetooth 2.4 GHz wireless+Bluetooth (supported versions 2.0, 3.0, 4.0, 4.2)
Host Interfaces	USB
Wireless Range	2.4 GHz: up to 300 m (with AP extended-range transmission) Bluetooth: up to 20 m
Onboard Memory	64kb~2M

Power	
Battery Capacity	2600 mAh

Power	
Operating Time	3 minutes to enter standby
Standby Time	3 minutes to enter standby
Charge Time	Approx. 5 hours 5V 2A
Operating Voltage	DC 5V±5% Approx. 220 mA 0.6µA

Physical Specifications	
Dimensions	Scanner: 180 × 65 × 95 mm Cradle: 118 mm × 75 × 74 mm
Weight	ScannerApprox. 232 g CradleApprox. 257 g
Enclosure Material	ABS+TPU
Color Options	Yellow+Black
Cable Length	1.2 m
Stand Included	Yes
User Feedback	Buzzer, LED indicator, Vibration

Environmental & Compliance	
Drop Resistance	3 m free-fall drop
Operating Temperature	-10°C-50°C
Storage Temperature	-20°C-70°C
Relative Humidity	5%-95% (non-condensing)
Ambient Light Immunity	0~100000 lux
Certifications	CE, RoHS, FCC