

NT-R2 Wireless 2D Ring Barcode Scanner



PRODUCT OVERVIEW

Model	R2L
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D/2D
Scan Engine	CMOS
Sensor Resolution	640 × 480
Illumination	Red LED 625 nm White LED 6500K Maximum 107,639 lux (direct light)
Aiming System	Red LED 625 nm
Minimum Element Resolution	1D:5 mil Code 39 2D:7 mil QR code
Minimum Print Contrast	≥25%
Field of View	Horizontal 42°; Vertical 31°
Angular Tolerance	Pitch±60°, Skew±65°, Roll360°
Depth of Field	Code128 5 mil 6 bit 4-10 cm QR Code 20 mil 16 bit 2.5-25 cm PDF417 6.8 mil 6 bit 3.5-22 cm EAN13 13 mil 13 bit 4.5-27 cm Data Matrix 10 mil 20 bit 2.5-9.5 cm
Supported Symbologies	1D UPC-A/UPC-E, EAN13/EAN8/ISBN/ISSN, Code128/GS-128, Code39, Code93, Code32, Code11, Codabar, MSI Plessey, ITF25, STD25, Matrix25, IND25, HK25, Pharma code, Telepen, Trioptic code, Brazilian bank code, Postal Code, GS1 DataBar, GS1 Composite code 2D QR Code/Micro QR, Data Matrix, PDF417/Micro pdf417, Aztec, MaxiCode, Han Xin
Trigger Modes	wearableManual triggerscanning (presentation mode configurable, Continuous mode)

Connectivity & Wireless	
Connectivity	Wired, Wireless, 2.4 GHz, Bluetooth 2.4 GHz+Bluetooth 4.2 (supported versions 2.0, 3.0, 4.0, 4.2) +Wired
Host Interfaces	USB
Wireless Range	2.4 GHz: Up to 65 m Bluetooth: Up to 20 m
Onboard Memory	64kb~2M

Power	
Battery Capacity	360 mAh
Operating Time	3 minutes to enter standby
Standby Time	3 minutes to enter standby
Charge Time	2-3 hours
Operating Voltage	5 VDC±5%

Physical Specifications	
Dimensions	ring scanner: 50 × 44 × 38 mm
Enclosure Material	ABS
Color Options	Black+Blue
Cable Length	1.2 m
Stand Included	No
User Feedback	Buzzer, LED indicator

Environmental & Compliance	
Operating Temperature	-20°C~+50°C -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)