

NT-R3 Wireless 1D Ring Barcode Scanner



PRODUCT OVERVIEW

Model	NT-R3
Product Type	Barcode Scanner

Scanning Performance	
Decode Capabilities	1D
Scan Engine	CCD
Image Sensor	Linear CCD sensor
Sensor Resolution	1500
Illumination	Visible red light, wavelength632nm
Acquisition Rate	Maximumup to200 scans/s
Minimum Element Resolution	≥5 mil/0.127 mm@PCS90%
Angular Tolerance	Test Conditions: CODE39,10 mil/0.25 mm,PCS90% Pitch:±60°Roll: ±30°Skew: ±60°
Depth of Field	Code 39 8 bytes (5 mil) 70 mm~180 mm Code 39 10 bytes (20 mil) 120 mm~300 mm Code 39 5 bytes (40 mil) 160 mm~450 mm UPC/EAN 13 12 bytes (13.0 mil) 45 mm~270 mm
Supported Symbolologies	EAN-8, EAN-13, Codabar, CODE11, CODE 39, CODE 93, CODE128, China Post, GS1-128, GS1 Limited, GS1 Omnidirectional, UPC-A, UPC-E, ISBN/ISSN, ISBT, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, MSI, Plessey, ITF14.
Trigger Modes	Manual trigger, Continuous illumination mode, Presentation mode, Host-command trigger
Processor	ARM32-bit

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

Power	
Operating Time	3 minutes to enter standby
Standby Time	3 minutes to enter standby
Charge Time	2-3 hours 5V 2A
Operating Voltage	DC 5V±5% 130 mA 0.6µA

Physical Specifications	
Dimensions	L × W × H (mm): 50 × 44 × 38 mm
Enclosure Material	ABS
Color Options	Black
Cable Length	1.2 m
Stand Included	No
User Feedback	Buzzer, LED indicator

Environmental & Compliance	
Drop Resistance	1 m free-fall drop
Operating Temperature	-20°C to 50°C
Storage Temperature	-40°C to 70°C
Relative Humidity	5% to 95% (non-condensing)
Ambient Light Immunity	100,000 lux Max
Certifications	CE, RoHS, FCC