



# WNI-5013

## (2D CMOS Wireless Barcode Scanner)

Technical parameters	
Wireless solution	RF433
Communication frequency	430 to 440MHz
Transmission range	≤100M ( In empty area 10M )
Scan rate	10kbps
Communication mode	Read-time mode/Inventory mode / Cache mode
Electrical Characteristics	
Interface	USB HID KEYBOARD/USB VCP
Battery capacity	1500mAh ( lithium battery )
Working time	6 hours(continuous reading situation)12 hours (manual reading situation) More than 15 days ( Stand-by time )
Charging time	6h
Voltage requirement	5VDC±10%

Current consumption	Max:120mA
Optical Characteristics	
Photo sensor	CMOS array sensor
SENSOR RESOLUTION	648×488 pixels
light source	white LED*1
Aim light source	Red Bar led
Performance Characteristics	
Decode angle	Pitch angle : ±55° Skew angle : ±55° Tilt angle : ±180°
Min resolution	1D:5mil(0.127mm)
Min.PCS value	> 30%UPC/EAN 13 ( 13mil )
Field of View	20°(H),21°(V)
Identification	1D: UPC/EAN,Code 128, Code 39, Code 93, Code 11, Matrix 2 of 5, Interleaved 2 of 5, Codabar, MSI 2D: QR
Physical Characteristics	
Dimensions	97 mm x 67 mm x165mm (L*W*H)
Weight	174.5g
Shock drop test	1.2m drop onto concrete surface
Environmental Characteristics	
Temp	-20 ° to 60 ° C / -4 ° to 140 ° F((operation) ) -40 ° -to 80 ° C /-40 ° to 176 ° F(storage)
Humidity	5 - 95% (operation) ) 5 - 95% (storage)
Ambient Light:	fluorescent light 4000 lx max , direct sun light 80,000 lx max ,white light 4000 lx max
Regulatory	

Electrical Safety	UL 60950 , EN/IEC 60950
EMI/RFI	FCC Part 15 Class B,EN 55024/CISPR 22
Environmental	RoHS

## Depth of field

code	Resolution	nearest	farthest
Code39	5.0 mil	50mm	120mm
	15.0mil	40mm	250mm
UPC/EAN	15.0mil	40mm	250mm
Data Matrix	10.0mil	40mm	210mm