

D-Tech

DB-5013

1D/2D



Two-dimensional image barcode scanner)

Technical parameters	
Wireless specifications	
Communication	433
Communication frequency	433 to 440MHz
Transmission range	80M (In empty area 80M)
Data rate	10kbps
Memory	100 , 000@13Byte barcode
Battery capacity	1500mAh (Lithium battery)
Charging time	6H
The life time of the full charge	6h (continuous reading situation) 12h (Manual reading situation) More than 15 days (Stand-by time)
Communication mode	Read-time mode/Inventory mode / Cache mode

Electrical Characteristics	
Interface	USB HID KEYBOARD/USB VCP
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(0.127)
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, PDF417, Data Matrix
Physical Characteristics	

Dimension	Scanner : 97 mm x 67 mm x165mm (L*W*H) Receiver : 83mm*18mm*13mm(L*W*H)
Weight	Scanner : 174.5g Receiver : 16g
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)
Shock drop test	1.2m drop onto concrete surface
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

Symbology	Resolution (mm)	Depth of field (mm)
Code39	5.0 mil	50mm--120mm
	15.0mil	40mm--250mm
UPC/EAN	15.0mil	40mm--250mm
Data Matrix	10.0mil	40mm--210mm