

Dataman Barcode Systems

D-Tech DB-6023

(Wireless two-dimensional image scanner)



Technical parameters	
Wireless specifications	
Communications	433
Communication frequency	433-440MHz
Transmission range	≤50M (In empty area 50M) Line of sight. 2D ≤80M (In empty area 80M) Line of sight. 1D
Data rate	10kbps
Memory	100 , 000@13Byte barcode
Battery capacity	2000mAh (Lithium battery)

Charging time	6H
The working 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	RS-232/USB HID KEYBOARD/USB VCP
Voltage requirement	DC 5V±10%
Current consumption	Max:280mA
Optical Characteristics	
Photo sensor	CMOS array sensor
SENSOR RESOLUTION	752X480 pixels
Light source	white LED*1
Aim light source	Red Bar LED
Performance Characteristics	
Decode angle	Pitch angle:±65° Skew angle:±60° Tilt angle:±180°
Min resolution	1D:4mil(0.101mm) 2D:10mil(0.25mm)
Min.PCS value	> 25%UPC/EAN 13 (13mil)
Language	multiple languages

Field of View	39° (H) x 25° (V)
Identification	<p>1D : UPC/EAN, UPC/EAN with supplementals, Bookland EAN, ISSN, UCC Coupon Extended Code, Code 128, GS1-128, ISBT 128, Code 39, Code 39 Full ASCII, Trioptic Code 39, Code 32, Code 93, Code 11, Matrix 2 of 5, Interleaved 2 of 5, Discrete 2 of 5, Codabar, MSI, Chinese 2 of 5, GS1 DataBar variants, Korean 3 of 5, ISBT Concat</p> <p>2D : PDF417, MicroPDF417, Composite Codes, TLC-39, Data Matrix, Maxicode, QR Code, MicroQR, Aztec</p>
Physical Characteristics	
Dimension	<p>Scanner : 70mm*95mm*168mm(L*W*H)</p> <p>Base : 145mm*112mm*74mm(L*W*H)</p>
Weight	<p>Scanner:185g</p> <p>Receiver:186g</p>

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Environmental Characteristics	
Temp	0°to 40°C / 32°to 104°F(operation)) -40°-to 70°C /-40°to 158°F(storage)
Humidity	5 - 95% (operation)) 5 - 95% (storage)
Shock drop test	1.5m 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
Code39	5.0 mil	60mm---130mm
100% UPCA	13.0mil	30mm---300mm
Code 39	20.0mil	35mm---350mm
PDF 417	6.8mil	40mm---150mm
Data Matrix	10.0mil	50mm---130mm
QR Code	20.0mil	25mm---250mm