

# ***Dataman Barcode Systems***

## ***D-Tech DB-5083***

(C C D wireless one dimensional imaging scanner)

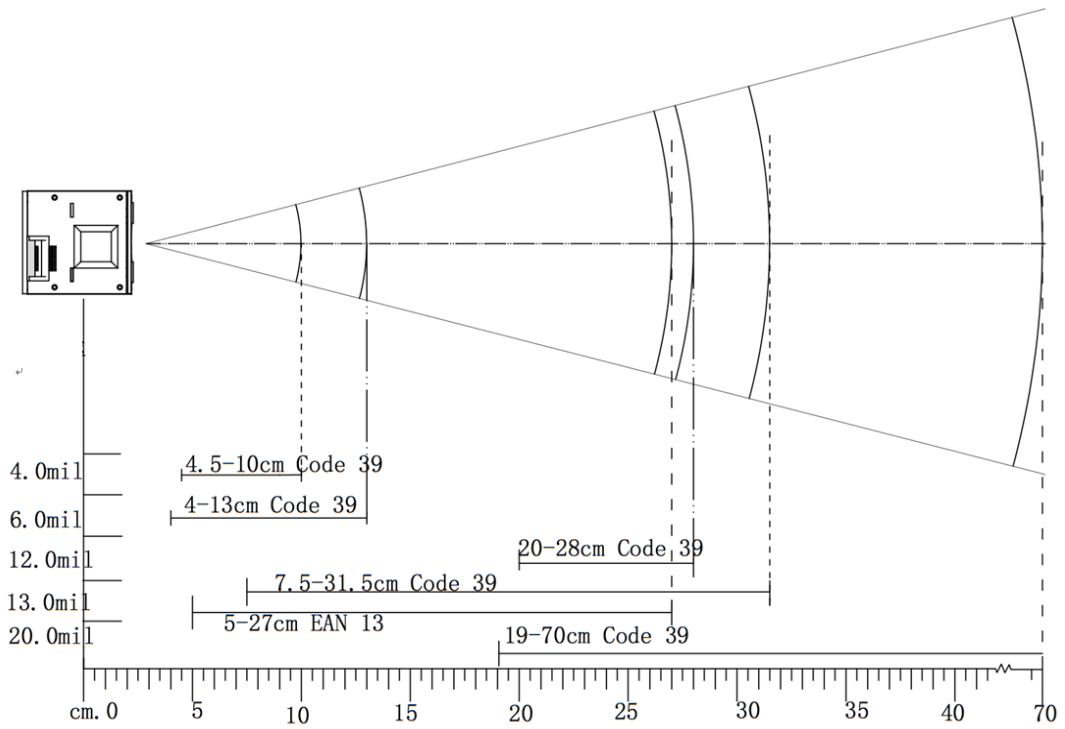


Technical parameters	
Wireless specifications	
Wireless Communications	433
Communication frequency	430to 440MHz
Transmission range	≤100M ( In empty area 100M )
Data rate	10kbps
Memory	100,000@13Byte barcode
Battery capacity	2000mAh (Lithium battery)
Charging time	6H
The working time of the full charge	6h ( continuous reading situation )

	<p>12h ( Manual reading situation )</p> <p>More than 15 days ( Stand-by time )</p>
Communication mode	Read-time mode/Inventory mode / Cache mode
Electrical Characteristics	
Interface	USB HID KEYBOARD ( Wireless receiver )
Voltage requirement	DC 5V±10%
Current consumption	Max:138mA
Optical Characteristics	
Photo sensor	CCD linear sensor
Sensor Resolution	2500pix
Light source	632nm red led
Performance Characteristics	
Scan Rate:	350±50 (scans/second)
Decode angle	<p>Pitch angle:±30°</p> <p>Skew angle:±70°</p> <p>Tilt angle:±45°</p>
Min resolution	0.127mm/5mil ( PCS 0.9 )
Min.PCS value	> 25%UPC/EAN 13 ( 13mil )
Curvature	R≥15 mm (EAN8) , R≥20 mm (EAN13) ( resolution=0.26mm , PCS=0.9 )

Language	multiple languages
Identification	EAN13 , EAN8 , UPC A , UPC E , CODABAR ( NW-7 ) , CODE 39 , CODE 93 , INTERLEAVED 2OF5 , STANDARD 2OF5 , MATRIX 2OF5 , CODE 128 , EAN/UCC 128 , CODE 11 , CHINESE POST
<b>Physical Characteristics</b>	
Dimension	Scanner : 97 mm x 67 mm x165mm (L*W*H)  Receiver : 83mm*18mm*13mm(L*W*H)
Weight	Scanner : 162g  receiver : 16g
<b>Environmental Characteristics</b>	
Temp	-20°-65°C / -4°to 149°F((operation) )    -30°- 70°C /-22°to 158°F(storage)
Humidity	5 - 90% (operation) ) 5 - 90% (storage)
Shock drop test	1.3m drop onto concrete surface
Ambient Light	fluorescent light 4000 lx max , direct sun light 80,000 lx max ,white light 4000 lx max
<b>Regulatory</b>	
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(mil)	Depths of Field	Digits
Code 39	0.101(4mil)	4.5-10cm	6
Code 39	0.152(6mil)	4-13cm	12
Code 39	0.30(12mil)	20-28cm	13
Code 39	0.33(13mil)	7.5-31.5cm	12
EAN 13	0.33(13mil)	5-27cm	13
Code 39	0.86(34mil)	19-70cm	10