

Dataman Barcode Systems

D-Tech DB-6080

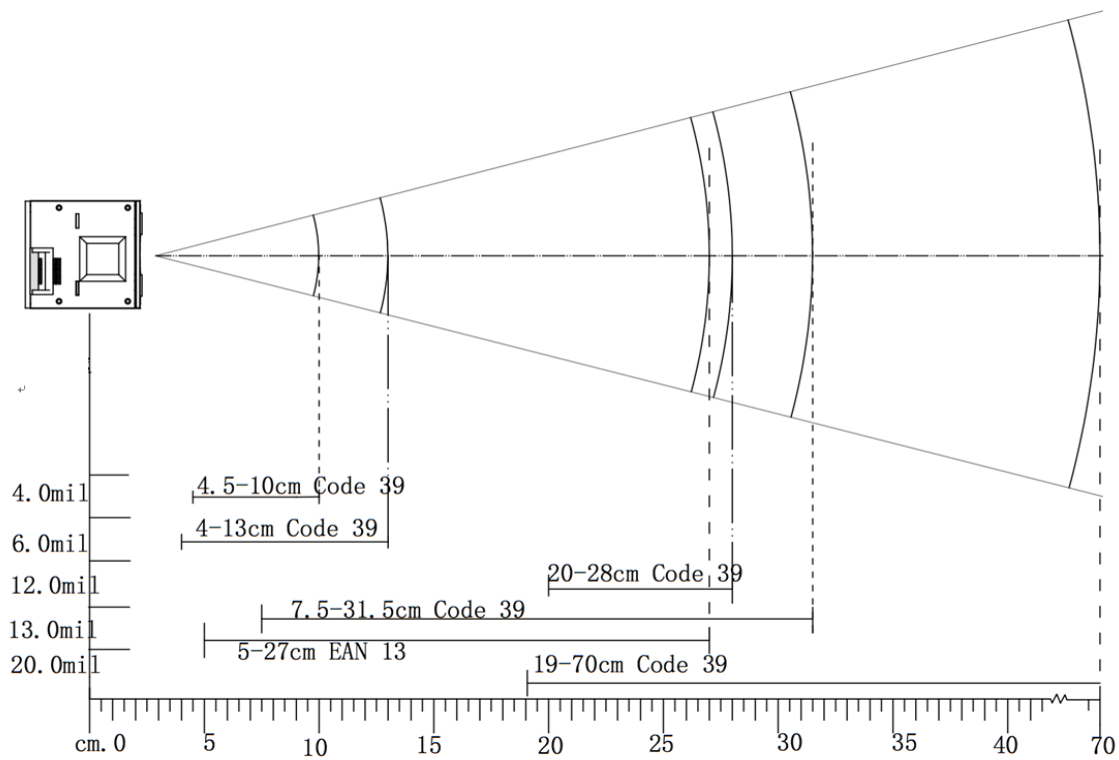
(One dimensional planar image scanning engine)



Technical Parameters	
Electrical Characteristics	
Interface	USB HID KEYBOARD/USB VCP/RS-485
Voltage requirement	DC5V±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	Pitch angle : ±30° Skew angle : : ±75° Tilt angle : ±45°

Min resolution	0.115mm/4.5mil (PCS 0.9)
Min.PCS value	> 25%UPC/EAN 13 (13mil)
Curvature	R \geq 15 mm (EAN8) , R \geq 20 mm (EAN13) (resolution=0.26mm , PCS=0.9)
Language	Multiple languages
Error rate	1/500W
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
Physical Characteristics	
Dimension	70mm \times 95mm \times 168mm (L x W x H)
Weight	127.8g
Environmental Characteristics	
Temp	-20 $^{\circ}$ -65 $^{\circ}$ C / -4 $^{\circ}$ to 149 $^{\circ}$ F((operation)) -30 $^{\circ}$ - 70 $^{\circ}$ C /-22 $^{\circ}$ to 158 $^{\circ}$ F(storage)
Humidity	5 - 90% (operation)) 5 - 90% (storage)
Ambient Light:	fluorescent light 4000 lx max , direct sun light 80,000 lx max ,white light 4000 lx max
Shock drop test	1.5m drop onto concrete surface
Regulatory	
Electrical Safety	UL 60950 , EN/IEC 60950
EMI/RFI	FCC Part 15 Class B ,EN 55024/CISPR 22
Environment	RoHS

Depth of Field



Symbology	Resolution	Depths of Field	Digits
	mm(mil)		
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