



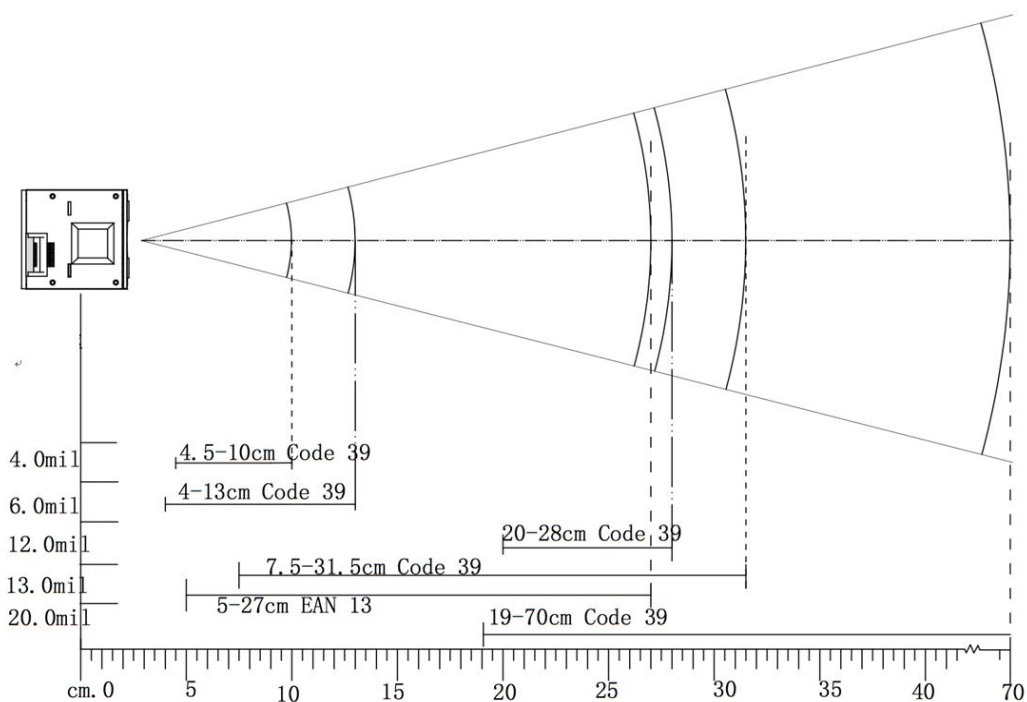
WGC-300

(1D CCD Fix-Mounted Barcode Scanner)

Technical Parameters	
Electrical Characteristics	
Interface	RS-232/USB HID KEYBOARD/USB VCP
Voltage requirement	5VDC $\pm$ 10%
Current consumption	Max:118mA
Optical Characteristics	
Photo sensor	CCD linear sensor
Sensor resolution	2500pix
Light source	632nm red led
Performance Characteristics	
Scan rate	350 $\pm$ 50 (scans/second)
Decode angle	Pitch angle: $\pm$ 30° Skew angle: $\pm$ 70° Tilt angle: $\pm$ 40°
Min resolution	0.127mm/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)
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
Regulatory	
Electrical safety	UL 60950, EN/IEC 60950

EMI/RFI	FCC Part 15 Class B,EN 55024/CISPR 22
Environmental	RoHS
Physical Characteristics	
Dimensions	68 mm x 48 mm x 23.5mm(2.68in * 1.89in * 0.93in)
Weight	USB/USB VCP: 118g(4.16oz)
	RS-232:147g(5.19oz)
Environmental Characteristics	
Temp	-20°to 65°C / -4°to 149°F(operation) -30°to 70°C /-22°to 158°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	1.2m drop onto concrete surface

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