



# SHC-609

(1D CCD Wire Handheld Barcode Scanner)

<b>Technical Parameters</b>	
<b>Electrical Characteristics</b>	
Interface	RS232/USB HID KEYBOARD/USB VCP
Voltage requirement	DC5V±10%
Current consumption	Max :138mA
<b>Optical Characteristics</b>	
Photo sensor	CCD linear sensor
Sensor Resolution	2500Pix
Light source	632nm red LED
<b>Performance Characteristics</b>	
Scan Rate:	350±50 (scans/second)
Decode angle	Pitch angle: ±70° Skew angle: ±85° Tilt angle: ±45°
Min resolution	0.101mm/4mil (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
Error rate	1/500W
Identification	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey
<b>Physical Characteristics</b>	
Dimensions	70mm×95mm×168mm (L x W x H)
Weight	175g
<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)
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

## Depth of field

Symbology	Resolution mm(mil)	Depths of Field	Digits
Code 39	20mil	5-60cm	4
Code 128	5mil	4-13cm	12
Code 39	6.67mil	3-15cm	16
Code 128	15mil	3-50cm	7
Code 128	20mil	5-50m	8
EAN 13	13.34mil	2-40m	13