

IS4125 Technical Specifications

Mechanical/Electrical

Dimensions (W x L x H)	47 mm x 41 mm x 19 mm (1.85" x 1.61" x 0.75")
Weight	53 g (1.87 oz)
Input Voltage	5 VDC ± 0.25 V
Operating Power	<120 mA @ 5 VDC - typical
Standby Power	<58 mA @ 5 VDC - typical
Termination	12 pin ZIF connector
Laser Class	Class 2: IEC 60825-1, EN 60825-1
Host System Interfaces	Standard: USB, RS232-C, Keyboard Wedge, Light Pen Wand Emulation High Density: RS232-C, TTL RS232

Environmental

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% relative humidity, non-condensing
Light Source	Visible Laser Diode 650 nm ± 10 nm
Vibration	7 G over 10-500 Hz
Light levels	Up to 60,000 Lux (5,574 foot-candles)

Scan Performance

Object Detection Range	Long: 279 mm ± 51 mm (11" ± 2"); Short: 140 mm ± 38 mm (5.5" ± 1.5")
Scan Pattern	Single scan line
Scan Speed	52 scan lines per second
Scan Angle	60°
Print Contrast	35% minimum reflectance difference
Tilt, Pitch, Skew	± 30°, ± 56°, ± 58°
Decode Capability	Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic
Warranty	2 year factory warranty

For a complete listing of all compliance approvals and certifications please visit www.honeywellaidc.com/compliance



Typical Performance* (Standard)	
Narrow Width	Depth of Field
6.8 mil	30 mm - 100 mm (1.2" - 3.9")
7.5 mil	30 mm - 110 mm (1.2" - 4.3")
10.4 mil	25 mm - 150 mm (1.0" - 5.9")
13 mil	25 mm - 200 mm (1.0" - 8.0")
21 mil	30 mm - 235 mm (1.2" - 9.3")
*Resolution: 6.8 mil (0.173 mm)	
*Performance may be impacted by bar code quality and environmental conditions	

Typical Performance* (High Density)	
Narrow Width	Depth of Field
5.2 mil	35 mm - 75 mm (1.4" - 3.0")
6.1 mil	20 mm - 90 mm (0.8" - 3.5")
7.2 mil	10 mm - 110 mm (0.4" - 4.3")
10.4 mil	10 mm - 140 mm (0.4" - 5.5")
13 mil	10 mm - 175 mm (0.4" - 6.9")
*Resolution: 5.2 mil (0.132 mm)	
*Performance may be impacted by bar code quality and environmental conditions	



Honeywell Scanning & Mobility

9680 Old Bailes Road
Fort Mill, SC 29707
800.582.4263
www.honeywell.com

