



# LIBRA L-7080i

**On-Counter Presentation  
Area Imager Barcode Scanner**

**CHAMPTEK**<sup>®</sup>  
*We value your ID's*

## Introduction

The LIBRA L-7080i is an omni-directional presentation area imager bar code scanner, it uses digital imaging technology to provide intuitive and blazing reading of 1D and 2D bar codes without sacrificing scanning quality or performance. The L-7080i reader provides great performance and reliability along with a rich feature set to provide excellent value in virtually any desktop presentation bar code scanning system. With the L-7080i, not only can identify product pricing barcode label, furthermore, it is able to scan virtually any mobile bar code on various types of display to enhance service levels.

When space is limited but high performance is required, its compact size and footprint make it the ideal solution for space-constrained environments. Its precise imaging scan volume is perfect for hands-free scanning in confined spaces and helps reduce accidental misreads of items, improving productivity and customer satisfaction.

The L-7080i reader includes a powerful configuration tool which allows easy integration into existing or new host systems, allows management to manage maintenance.

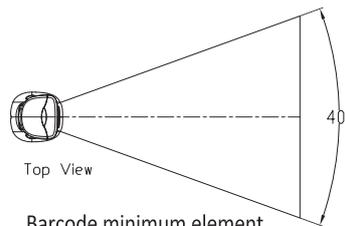
## Features

- Read the most common 1D, 2D, composite and stacked codes, reduce your investment cost.
- Boost customer services with good ability to scan virtually mobile bar code on various types of display.
- With the most compact footprint can fit in the most space constrained areas.
- IP42 rugged design withstands vibrations and shock for extended use in tough environments.
- Best cost-effective investment.
- With internal RF antenna which could connect with EAS deactivation system for deactivation purpose.

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## Reading Range

Focus Range	Near	Far
5.0 mil Code 39	1.18 in./3.0 cm	5.11 in./13.0 cm
13 mil EAN	1.18 in./3.0 cm	9.0 in./23.0 cm
20 mil Code 39	1.18 in./3.0 cm	11.81 in./30.0 cm
9.0 mil PDF417	1.18 in./3.0 cm	5.9 in./15.0 cm
14 mil Data Matrix	1.18 in./3.0 cm	3.93 in./10.0 cm
15 mil QR Code	1.18 in./3.0 cm	3.54 in./9.0 cm



### Barcode minimum element

±0.127mm/5mil(Code 39)	:30~130mm/1.18~5.11in
±0.33mm/13mil(EAN)	:30~230mm/1.18~9in
±0.5mm/20mil(Code 39)	:30~300mm/1.18~11.81in
±0.23mm/9mil(PDF147)	:30~150mm/1.18~5.9in
±0.36mm/14mil(Data Matrix)	:30~100mm/1.18~3.93in
±0.38mm/15mil(QR code)	:30~90mm/1.18~3.54in



Test card PCS 90%

## Specifications

### Physical Characteristics

Body Weight	Approx. 325g / 12.425oz
Dimension	Scanner: 94.00mm(W) x 161.51mm(H) x 97.71mm(L)
Cable Length	USB (150cm) ; RS232 (200cm)
Material	PC + ABS
Connector	RJ48
Interface	RS-232, USB (HID KBW or Virtual comport)
Indicators	Beeper and LED (Orange=good read, Blue=standby)

### Performance

Light Source	Visible red light 625nm LED
Scan Speed	60 images per second
Resolution	752(H) x 480(V) pixels
View of Field	40° Horizontal, 25° Vertical
Forward & Backward(Pitch)	±60° (from front to back)
Left & Right (Skew)	±60° (from plane parallel to symbol side-to-side)
Rotational Tolerance	±180°

### Electrical Characteristics

Interface	RS232	USB(HID KBW)	USB(Virtual Com.)
Supply Voltage	DC Adaptor(+5V)	USB Power	USB Power
Stand by (Typ.)	250 mA	250 mA	250 mA
Operation (Typ.)	280 mA	280 mA	280 mA

### Environmental

Operating Temp.	0°C to 50°C (32°F to 122°F)
Storage Temp.	-20°C to 70°C (-4°F to 158°F)
Relative Humidity	20% to 95% (Non-condensing)
Ambient Light	100,000 Lux Max. (Sunlight)
Sealing	Designed to IP42 water and dust protection

### Reliability

Life Time	
MTBF (Calculated)	50,000 hours
Cable Bending Test	25,000 times minimum (30 times/min @ 500g/90°)
Drop	47.24 inches (120cm) drop on concrete surface

### Readable Symbologies

#### 1D Symbologies

EAN/UPC,UCC/EAN128, ISBN, ISBT, Code 11, Code 39, Code 93/93i, Code 128, Interleaved, Matrix, Industrial, Standard 2 of 5, Codabar, MSI, Plessey, Telepen, Postal codes, GS1 DataBar

#### 2D Symbologies

Data Matrix, Data Matrix Inverse, PDF417, Micro PDF 417, Maxicode, QR code, QR code Inverse, Aztec (& Inverse), EAN. UCC composite, MicroQR code

CE, FCC and RoHS compliant

Due to Champtek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change without notice.