LIBRA L-7082i

On-Counter Presentation
Area Imager Barcode Scanner

SCANTECH ID ®
CHAMPTEK Group

Introduction

The LIBRA L-7082i 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-7082i 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-7082i, 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-7082i reader includes a powerful configuration tool which allows easy integration into existing or new host systems, allows management to manage maintenance.
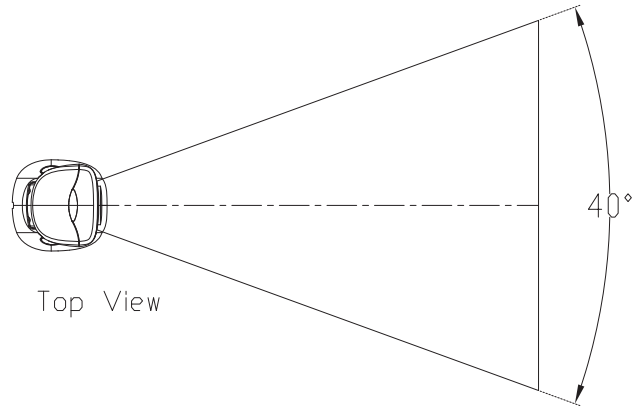
Features

- 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.

LIBRA L-7082i

Reading Range

Focus Range	Near	Far
4 mil Code 39	0.98 in./25.0 mm	1.97 in./50.0 mm
5 mil Code 39	1.10 in./28.0 mm	3.35 in./85.0 mm
20 mil QR Code	1.57 in./40.0 mm	7.09 in./180.0mm
10 mil PDF417	0 in./0 mm	5.51 in./140.0mm
20 mil Data Matrix	0 in./0 mm	6.69 in./170.0mm

Top View

40°

Specifications

● Physical Characteristics

Body Weight	Approx. 378g/13.33oz
Dimension	Scanner: 94.00mm(W) x 161.51mm(H) x 97.71mm(L)
Cable Length	USB (150cm) ; RS232 (200cm)
Material	PC + ABS
Connector	RJ48

● Performance

Light Source	Visible red light 625nm±5nm LED
Scan Speed	60 images per second in 1D/2D mode
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°
Interface	RS-232, USB(HID KBW or Virtual comport)
Indicators	Blue=good read; Orange=standby

● Electrical Characteristics

Interface	RS232	USB(HID KBW)	USB(Virtual Com.)
Supply Voltage	DC Adaptor(+5V)	USB Power	USB Power
Stand by (Typ.)	180mA	180mA	180mA
Operation (Typ.)	360mA	360mA	360mA

● 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	39.98 inches (100cm) drop on concrete surface

● Readable Symbologies

1D Symbologies	Readable	Default Enable
UPC-A	V	V
UPC-E	V	V
EAN-8/JAN-8	V	V
EAN-13/JAN-13	V	V
Code 39	V	V
Code 128	V	V
Interleaved 25	V	
Industrial 25	V	
Matrix 25	V	
Codabar/NW7	V	
Code 93	V	
China Post	V	
MSI/Plessey	V	
Telepen	V	
GS1 Databar Omni-directional	V	
GS1 Databar Limited	V	
GS1 Databar Expended	V	

2D Symbologies	Readable	Default Enable
Aztec	V	
Aztec Mesas	Optional	
Data Matrix	V	V
Maxi Code	Optional	
PDF 417	V	V
Micro PDF 417	V	
QR Code	V	V
Micro QR Code	Optional	
GM Code	Optional	
Han Xin Code	Optional	

CE, FCC and RoHs compliant CE

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