



CHAMPTEK[®]
We value your ID's

LYRA L-9060i

Desktop 2D Area Imager Barcode Scanner

Introduction

The LYRA family is a multi-form, compact size, omni-directional presentation area-imaging scanner engineered to decode all standard 1D and 2D barcodes. Its revolutionary imaging technology is housed in an elegant, stylish, yet durable design. The compact size and small foot-print design, makes it the ideal solution for space-constrained environments.

For LYRA L-9060i, it is designed for an excellent barcode scan performance on smart phones. However, the LYRA L-9060i possesses the scan ability not only for barcodes printed on paper, but also barcodes displayed on LCD screens. With its wide field of view 86° (H) 70° (V), barcodes on the large-screen can also be easily handled without any distance or angle adjustment.

LYRA L-9060i's curved and concise design makes it simple to fit in many user scenarios like restaurants, convenience stores, street vendors or self-service counters...etc. With 4 M3 screw holes on the back cover, both desktop and wall-mounted are supported. The LYRA reader includes powerful configuration tool, programming bar code and data formatting functionality which allow easy integration into existing or new host systems, management to manage maintenance.

As always, LYRA L-9060i adopts features from scanners of LYRA series:

Features

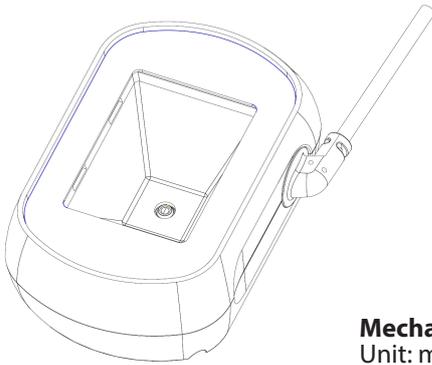
- Omni-directional reading and 1D / 2D Imager capture capability.
- Widest field of view in its class
- Plug & Play with Interface options: USB HID, USB virtual comport & RS232.
- Integrated good-read beeper.
- A SDK serial protocol supports second development.
- Ideal for most of the e-payment, e-ticket, e-coupon and e-membership card barcodes on smart phones.

LYRA L-9060i

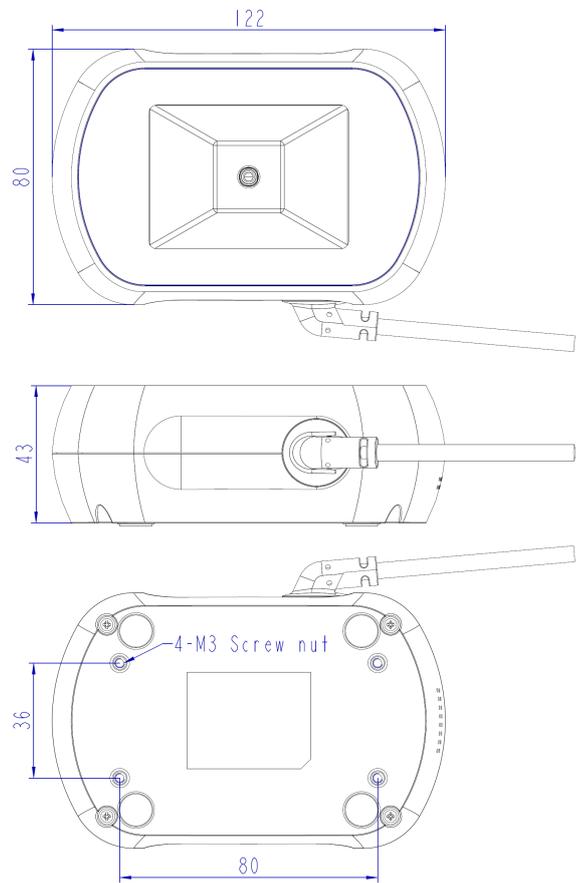
Barcode	Resolution	Depth of field
CODE 39	5 mil	0~15 mm
CODE 39	10 mil	0~25 mm
CODE 128	10 mil	0~25 mm
QR CODE	20 mil	0~30 mm

Note: the test is under ambient light 700~800 LUX.

The depth of field is measured from the glass surface.



Mechanical Drawing
Unit: mm



Specifications

Physical Characteristics

Weight	
Body Weight	Approx.190g
Material	ABS Plastic
Dimension (WxDxH)	122(W)×80(D)×43(H) mm
Color Available	Black

Performance

Light source	Visible White LED
Field of View	Horizontal – 86°, Vertical – 70°
Image Sensor	CMOS 1280 (H) x 800 (V) pixels
Frame Rate	60 frames per second
Pitch	±60°
Skew	±60°
Roll	360°
Indicators	Beeper

Electrical Characteristics

Interface	RS232	USB
Supply Voltage	DC Adaptor +5V ±5%	USB Power
Power Consumption	1.75W	1.75W
Operation (Typ.)	350 mA	350 mA

Environmental

Operating Temp.	-20°C to 55°C (-4°F to 131°F)
Storage Temp.	-40°C to 70°C (-40°F to 158°F)
Relative Humidity	5 % to 95% (Non-condensing)
Ambient light	100,000 Lux Max. (Natural light)
Sealing	Designed to IP42

Reliability

Life Time	
MTBF(Calculated)	50,000 hours
Temp. Test	
High Temp.	70°C , 48 hours
Low Temp.	-20°C , 48 hours
Cable Bending Test	25,000 times minimum (30 times/min @ 500g/90°)

Readable Symbolologies

1D Symbolologies

UPC-A, UPC-E, EAN-8/JAN-8, EAN-13/JAN-13, Code 39, Code 128, Interleaved 25, Industrial 25, Matrix 25, Codabar/NW7, Code 93, China Post, MSI/Plessey, Telepen, GS1 Databar Omni-directional, GS1 Databar Limited, GS1 Databar Expanded

2D Symbolologies

Data Matrix, PDF 417, QR Code ,Micro PDF 417, Micro QR Code, Aztec and Dotcode

Due to Champtek/Scantech ID's continuing product improvement programs, specifications and features are subject to change.