IG740

IP 54 Area Image Barcode Scanner

SCANTECH ID®
CHAMPTEK Group

Introduction

IG740 is a rugged type handheld area imager bar code scanner, which supports IP54 water and dust sealing protection, is designed especially for retail, logistic, health-care and warehousing management market. We include friendly functions and with replaceable multi-interface cable options that makes it more easily to be operated by customers to accommodate it to user's environments.

With its unmatched performance for the majority of 1D and 2D bar codes increasing your productivity.
An optional stand can be ordered to facilitate hand-free reading application in auto-sense configuration, it senses an object approaching and turns on the light to read barcodes.

In short, IG740 is a high performance rugged gun-type handheld area imager barcode scanner which provides customers with the most cost-effective solution in the market and perfectly suitable and definitely the best choice for any retail, logistic and warehouse management environment.
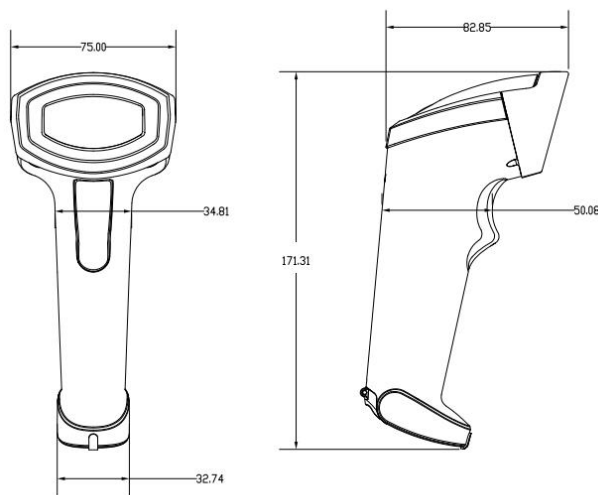
Features

- Support 1D, 2D and GS1 Databar codes.
- Good performance on both display and printed label reading.
- Support automatic sense reading and is able to read under 0 Lux dark environment.
- Support multiple interface options, USB HID, Virtual COM and RS-232.
- Good reading performance, e.g. good reading of QR code in 30% damage or even one finder pattern is missing.
- Rugged casing that supports IP54 sealing protection.
- Dropping resistance from 1.8m.

Reading Range

Barcode	Depth of field
3mil Code39	30~ 70 mm
4mil Code39	20~ 80 mm
5mil Code39	20~100 mm
6mil Code39	20~120 mm
10mil Code39	20~170 mm
13mil Code39	20~200 mm
20mil Code39	20~250 mm
20mil QR Code	20~180 mm
20mil PDF417	20~110 mm
20mil Data Matrix	20~180 mm

Note: The test is under ambient light 700 ~ 800 Lux.

IG740

75.00
82.85
34.81
50.08
171.31
32.74

2 stands as option

Specifications

● Physical Characteristics

Body weight	Approx. 166g
Dimension	75.00mm (W) x 171.31mm (H) x 82.85mm (L)
Cable Length	150cm
Material	ABS Plastic and Rubber
Connector	RJ48

● Performance

Light Source	White light LED
Scan Rate	60 images per second
Resolution	1280 (H) x 800 (V) pixels
View of field	55° Horizontal, 35° 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	Green = good read

● Electrical Characteristics

Interface	RS232	USB(HID)	USB(Victual Com)
Supply Voltage	DC Adaptor DC +5V 5%	USB Power	USB Power
Stand by (Typ.) I	45mA	40mA	
Operation (Typ.)	410mA	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 IP54 water and dust protection

● Reliability

Life Time	
Trigger Switch	1,000,000 times
MTBF(Calculated)	50,000 hours
Cable Bending Test	25,000 times minimum (30 times/min @ 500g/90°)
Drop	70.86 inches(180cm) drop on concrete surface

● Readable Symbologies

1D Symbologies
UPC-A, UPC-E, EAN-8/JAN-8, EAN-13/JAN-13, ISSN, UCC Coupon Extended Code, Code 39, Code 39 Full ASCII, 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 Expended

2D Symbologies
Data Matrix, PDF 417, Micro PDF 417, QR Code, Micro QR Code, Aztec
Option:
Maxicode

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