FI340

Fixed Mount Area Imager Barcode Scanner

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We value your ID's

Introduction

The FI340 Fixed Mount Scanner Series is a high performance, omni-directional area imager barcode scanner , delivering fast, high-volume hands-free scanning of virtually any 1D and 2D barcode. No matter what type of barcode is presented, or whether it is printed on paper or displayed on a mobile phone screen, the FI340 Series provides fast, accurate scanning. It is designed for various built-in and OEM solutions, such as self-service kiosks, POS (Point-of-Sales) terminals, ATM and anyapplication needs to build in a barcode reader with cases protection.

It supports up to 280mm reading depth of 1D and 2D barcode, and scan rate is up to 60 images per second. A stand option can be ordered to facilitate hand-free reading in a tiny footprint that fits in the most space-constrained areas.

FI340 is a high performance area imager scanner, provides customers with the most cost-effective solution in the market and perfectly suitable and definitely the best choice for any OEM and built-in application.
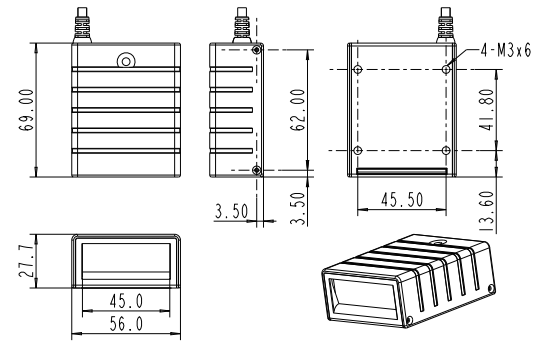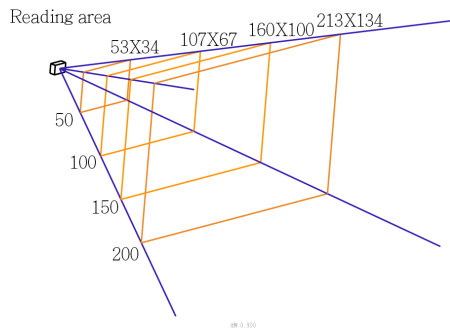
Features

- Captures barcodes on mobile phone, tablet, or computer screens.
- Easily integrated with various OEM applications with 1D and 2D barcode scanning.
- Support various configurable reading modes.
- Clear aiming bar that makes barcode capture easily.
- With an optional stand is flexible for other applications.

FI340

Reading Range

Barcode	Depth of field
3mil Code39	50~90 mm
4mil Code39	45~100 mm
5mil Code39	40~120 mm
6mil Code39	30~140 mm
10mil Code39	30~220 mm
13mil Code39	30~230 mm
20mil Code39	30~280 mm
20mil QR Code	30~210 mm
20mil PDF417	30~120 mm
20mil Data Matrix	30~220 mm

Reading area

53X34 107X67 160X100 213X134

50 100 150 200

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

69.00 62.00 41.80
3.50 3.50 45.50 13.60
27.7 45.0 56.0
4-M3x6

Specifications

• Physical Characteristics

Weight	
Body weight	Approx. 3 oz (85g)
USB Cable weight	Approx. 1.79 oz (51g)
RS232 Cable weight	Approx. 2.32 oz (66g)
Material	Polycarbonate
Dimension	56 mm W x 69 mm D x 28 mm H

• Electrical Characteristics

Interface	RS232	USB-HID(or Virtual COM port)
	DC Adaptor	USB Power
Supply Voltage	DC+5V±5%	DC+5V±5%
Current Draw	±10%	±10%
Stand by (Typ.)	40mA	40mA
Operation (Typ.)	380mA	380mA

• Performance

Light Source	White light LED
Sensor	1280 (H) x 800 (V) pixels
Field of view	Horizontal – 55°, Vertical – 35°
Scan Rate	60 fps (at full resolution)
Reading Distance	280mm@20mil/0.5mm, PCS90%
Print Contrast Ratio	PCS30%@5mil/0.127mm
Resolution	3mil/0.076mm@PCS90% Code39,
	8mil/0.2mm@PCS90% QRCode
Reading Angle	Test Conditions : Code 39, 10mil/0.25mm,PCS90%
Pitch Angle	±5°~60°
Skew Angle	±5°~60°
Ambient Light	100,000 Lux Max.

• Environmental

Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
Storage Temperature	-20 °C to 70 °C (-4 °F to 158 °F)
Relative Humidity	20% to 95% (Non-condensing)

• Reliability

Life Time	
MTBF(Calculated)	50,000 hours
Thermal Shock	
Low Temp.	-20 °C (-4°F)
Cycle time	30 minutes for high temp., 30 minutes for low temp.
Cycles	24 cycles
Mechanical Shock	2000G,0.7ms,half sinus,3axes'

• Readable Symbologies

1D Symbologies

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 Expended

2D Symbologies

Data Matrix, PDF 417, QR Code, Aztec, Micro PDF 417, Micro
QR Code, Dotcode
Option: Maxicode, Han Xin Code

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