



MICA M-9080i

Area Imager Barcode Scanner

SCANTECH ID
CHAMPTEK Group

Introduction

The MICA M-9080i is a high performance, omni-directional area imager bar code scanner. It uses digital imaging technology to provide intuitive and fast reading of 1D and 2D bar codes as well as supporting more advanced features like image capture deactivation. It is designed for various built-in and OEM solutions, such as self-service kiosks, POS (Point-of-Sales) terminals, price checkers, healthcare solutions etc. Besides, a stand option can be ordered to facilitate on-counter reading options.

It supports up to 500mm reading depth of 1D and 2D barcode, its scan rate is up to 60 images per second in 1D/2D area mode. area mode. Based on CMOS technology for optimal image sensitivity and dynamic range, the M-9080i features scanning speeds two times faster than traditional 2D imagers.

MICA M-9080i 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 retail and logistic environment.

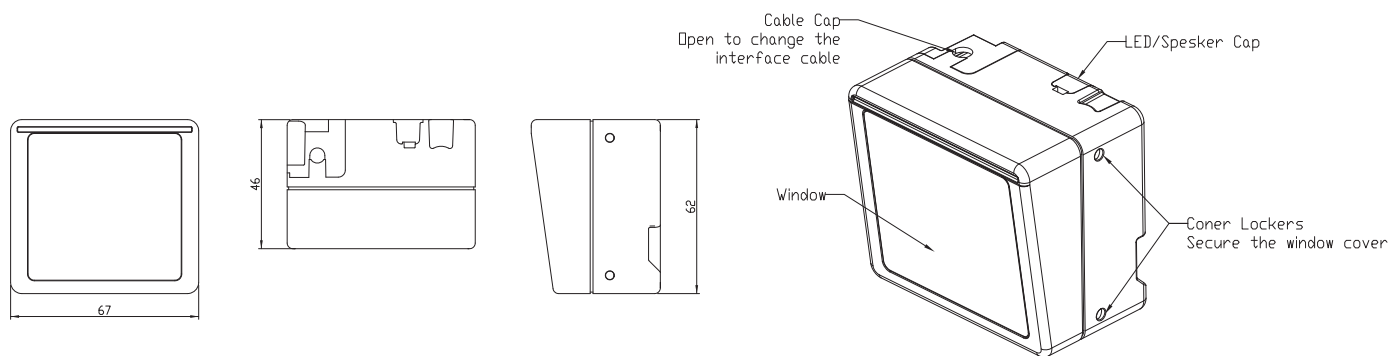
Features

- Optimized design for built-in and OEM applications.
- Reading all common 1D and 2D barcodes, include GS1 DataBar codes.
- Scan rate per second is up to 60 images in 2D area mode.
- Supports up to 500mm reading depth of 1D and 2D barcode.
- A stand option can be ordered to facilitate on-counter reading options.

Reading Range

Focus Range	Near	Far
5.0 mil Code 39	1.9 in./4.7 cm	7.7 in./19.4 cm
20 mil Code 39	Field of view limited	24.0 in./60.9 cm
6.67 mil PDF417	2.7 in./6.8 cm	7.0 in./17.9 cm
15 mil PDF417	Field of view limited	13.2 in./33.5 cm
10 mil Datamatrix	Field of view limited	8.3 in./21.0 cm
13 mil 100% UPC	2.8 in./7.2 cm	16.8 in./42.4 cm

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Specifications

Physical Characteristics

Body Weight	Approx. 120g
Dimension	Scanner: 67.00mm(W) x 62.00mm(H) x 46.00mm(L)
Cable Length	USB (150cm); RS232 (200cm)
Material	PC + ABS
Connector	RJ48

Performance

Light Source	Visible red light 625nm LED
Scan Speed	60 images per second in 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	Beeper and LED (Green=good read)

Electrical Characteristics

Interface	RS232	USB(HID KBW)	USB(Virtual Com.)
Supply Voltage	DC Adaptor DC+5V 5%	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)

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 Symbolologies

1D Symbolologies

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 Symbolologies

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.