

MV-ID1010MG-05-W1MS-C

Code Reader Module



RoHS

Introduction

With code recognition technology, MV-ID1010MG-05-W1MS-C code reader module can read different types of codes, and output corresponding information. It is applicable to mainstream mobile processors like Qualcomm, MTK, etc.

Key Feature

- Adopts 1 MP global sensor to provide high-quality images.
- Adopts cross laser to aim targets.
- Reads different codes with good robustness.
- Provides SDK for flexible applications.
- Compact size is able to fit into space constrained application environments.
- Low power consumption.

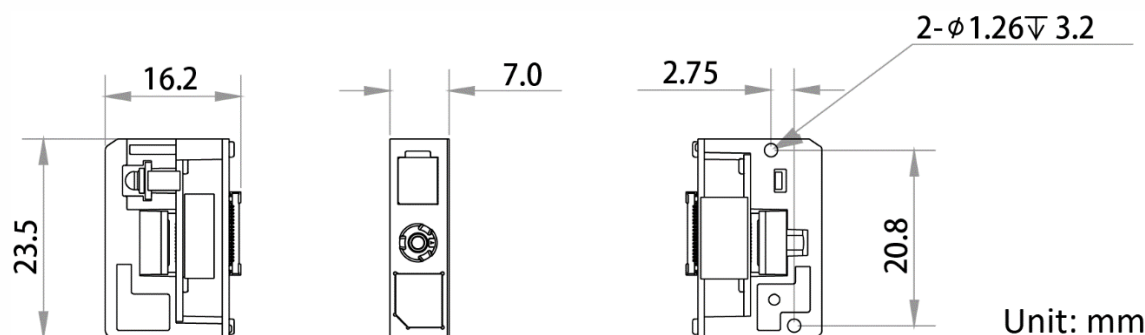
Available Model

MV-ID1010MG-05-W1MS-C

Applicable Industry

Handheld terminals and PDAs, tablet devices, etc.

Dimension



Specification

Model	MV-ID1010MG-05-W1MS-C
Performance	
Symbologies	1-dimensional codes: EAN-8/13, UPCE, UPCA, ISBN 13, PDF 417, CODABAR, ITF 25, MAT 25, MSI, CODE 11, IND25, CHINA POST, PHARMA, GS1, CODE 39, CODE 93, CODE 128, etc.
	2-dimensional codes: QR Code, Data Matrix, Micro QR Code, Aztec Code, HANXIN, POST, etc.
Min. accuracy	3 mil
Depth of field	Code 39 (5 mil): 95 mm to 180 mm
	Code 39 (10 mil): 55 mm to 400 mm
	Code 39 (25 mil): 70 mm to 920 mm
	Code 128 (25 mil): 90 mm to 1020 mm
	QR (15 mil): 40 mm to 270 mm
	DM (10 mil): 90 mm to 170 mm
	UPCA (10 mil): 65 mm to 410 mm
Field of view	Horizon angle 42°, vertical angle 28°
Detection angles	Pitch ± 60°, skew ± 45°, and rotation 360°
Symbol contrast	≥ 25%
Sensor type	CMOS, global shutter
Resolution	1280 × 800
Max. frame rate	50 fps
Light source	White LED
Aiming system	Cross laser, wavelength 650 nm
Laser safety level	Class 2
Electrical features	
Data interface	12C (34-pin MIPI interface)
Power supply	3.3 VDC (2-channel required)
Power consumption	0.9 W
Mechanical	
Dimension	23.5 mm × 16.2 mm × 7.0 mm (0.9" × 0.6" × 0.3")
Weight	Approx. 4 g (0.009 lb.)
Temperature	Working temperature: -20 °C to 45 °C (-4 °F to 113 °F)
	Storage temperature: -40 °C to 85 °C (-40 °F to 185 °F)
Humidity	0 % to 95 % RH, non-condensing
Ambient light	0 lux to 50000 lux
Shock	Half-sine wave; pulse duration: 11 ms; acceleration: 15 g; axial direction: 6 axes; times 3/axis.
Vibration	Frequency: 10-55-10 Hz; displacement value: 0.35 mm; axial direction: 3 axes; cyclic scan times/each axial direction: 3; test time: 5 min/cycle.
General	
Certifications	RoHS