

MV-ID2000M-08S

0.4 MP Smart Code Reader



Introduction

MV-ID2004M-06S-RBN smart code reader can read different types of 1-dimensional and 2-dimensional codes with reading speed up to 45 codes/s. It adopts deep learning algorithm to process images with good robustness, and can recognize various codes.

Key Feature

- Built-in deep learning algorithm to read codes with good robustness.
- Compact design and small in size.
- Adopts aviation connector for single cable wiring.
- Adopts LED aiming light to help aim codes.
- Adopts focus knob for adjusting focusing manually.
- Adopts multiple IO interfaces and plug-in power interface.
- Supports multiple communication protocols, including TCP, Serial, FTP, HTTP, etc.

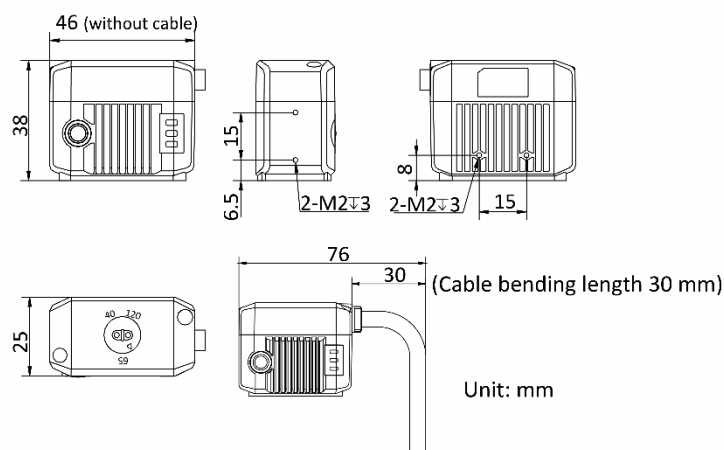
Available Model

MV-ID2000M-08S

Applicable Industry

Consumer electronics, food and beverage, pharmaceutical, semiconductor, automobile, etc.

Dimension



Specification

Model	MV-ID2000M-08S
Performance	
Symbologies	1-dimensional codes: Code 39, Code 93, Code 128, ITF25, CodaBar, EAN 2-dimensional codes: QR Code, Data Matrix
Max. frame rate	20 fps
Max. reading speed	45 codes/s
Sensor type	CMOS, global shutter
Pixel size	6.9 μm \times 6.9 μm
Sensor size	1/2.9"
Resolution	704 \times 540
Exposure time	16 μs to 1 s
Gain	0 dB to 15 dB
Mono/color	Mono
Communication protocol	SmartSDK, TCP Client, TCP Server, Serial, FTP, HTTP
Optics	
Lens focal length	6 mm (0.2")
Working distance	40 mm to 120 mm (1.6" to 4.7"), adjusting focus manually supported
Ambient illumination	0 lux to 50000 lux
Lighting	Red LED \times 4, wavelength 623 nm
Aiming system	Green LED \times 2, wavelength 520 nm
Electrical features	
Interface	17-pin M12 interface provides power, Ethernet, digital I/O, serial port, etc.
Ethernet	Fast Ethernet
Digital IO	SR cable connector provides power and I/O, including configurable bi-directional none-isolated I/O \times 4: input (Line 0/1) and output (Line 2/3) by default, RS-232 \times 1. Device trigger via pressing button on top supported.
Power supply	12 VDC to 24 VDC
Power consumption	Approx. 2.88 W@24 VDC
Structure	
Indicator	Power indicator (PWR), network indicator (LNK), and status indicator (STS).
Dimension	46 mm \times 38 mm \times 25 mm (1.8" \times 1.5" \times 1.0")
Weight	Approx. 160 g (0.35 lb.)
Ingress protection	IP65
Temperature	Working temperature: 0 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ (32 $^{\circ}\text{F}$ to 122 $^{\circ}\text{F}$) Storage temperature: -30 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ (-22 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$)
Humidity	20% to 95% RH, non-condensing
General	
Client software	IDMVS
Certifications	CE, FCC, RoHS

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