

MV-ID2013M

1.3 MP Smart Code Reader



Introduction

MV-ID2013M smart code reader can read different types of 1-dimensional and 2-dimensional codes, and its max. reading speed reaches 45 codes/sec. 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, Profinet, etc.

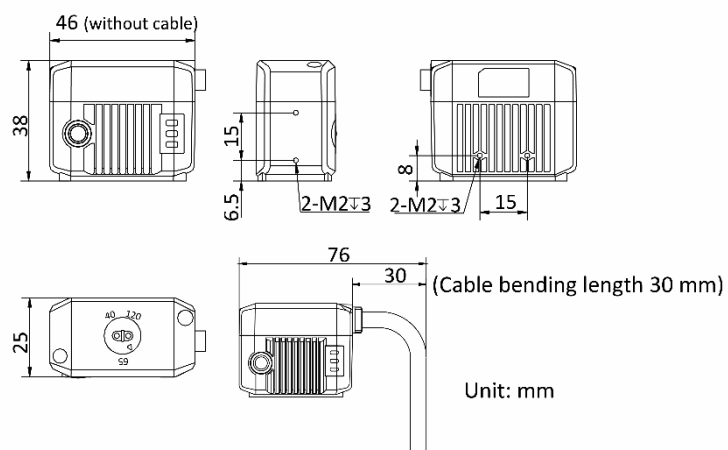
Applicable Industry

Consumer electronics, food and beverage, pharmaceutical, semiconductor, new energy, etc.

Available Model

- White light source: MV-ID2013M-06S-WBN
- Red light source: MV-ID2013M-06S-RBN
- Blue light source: MV-ID2013M-06S-BBN
- White light source with polarized lens cap: MV-ID2013M-06S-WBP
- Red light source with polarized lens cap: MV-ID2013M-06S-RBP

Dimension



Specification

Model	MV-ID2013M-06S-WBN	MV-ID2013M-06S-RBN	MV-ID2013M-06S-BBN	MV-ID2013M-06S-WBP	MV-ID2013M-06S-RBP
Performance					
Symbologies	1-dimensional codes: Code 39, Code 93, Code 128, ITF 14, ITF 25, CodaBar, EAN 8, EAN 13, UPCA, UPCE				
	2-dimensional codes: QR Code, Data Matrix				
Max. frame rate	60 fps				
Max. reading speed	45 codes/sec				
Sensor type	CMOS, global shutter				
Pixel size	4 μm \times 4 μm				
Sensor size	1/2.7"				
Resolution	1280 \times 1024				
Exposure time	35 μs to 1 sec				
Gain	0 dB to 15 dB				
Mono/color	Mono				
Communication protocol	SmartSDK, TCP Client, Serial, FTP, HTTP, TCP Server, Profinet, MELSEC/SLMP, Ethernet/IP, ModBus TCP, UDP, Fins				
Optics					
Focal length	6.72 mm (0.3")				
Working distance	40 mm to 120 mm (1.6" to 4.7"),				
Ambient illumination	0 lux to 50000 lux				
Light source	White	Red	Blue	White (polarized)	Red (polarized)
Aiming system	Green LED				
Electrical feature					
Data interface	Fast Ethernet				
Digital I/O	17-pin M12 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 side supported.				
Power supply	12 VDC to 24 VDC				
Max. power consumption	Approx. 10.6 W@24 VDC				
Mechanical					
Lens mount	M10-mount, adjusting focus manually supported				
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				
Certification	CE, FCC, RoHS				



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