MV-ID2013M

1.3 MP Smart Code Reader

CE FC RoHS

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.
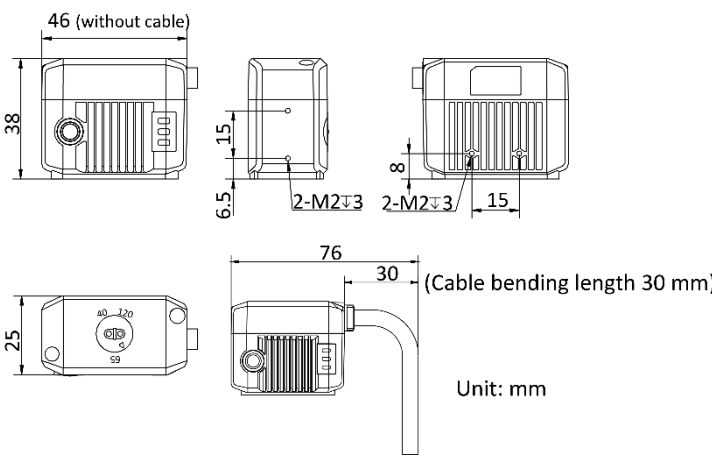
Key Feature

- 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

46 (without cable)
38
15
6.5
2-M2↧3 2-M2↧3
8
15

76
30 (Cable bending length 30 mm)
25

Unit: mm

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 × 4 µm				
Sensor size	1/2.7"				
Resolution	1280 × 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 × 4: input (Line 0/1) and output (Line 2/3) by default, RS-232 × 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 × 38 mm × 25 mm (1.8" × 1.5" × 1.0")				
Weight	Approx. 160 g (0.35 lb.)				
Ingress protection	IP65				
Temperature	Working temperature: 0 °C to 50 °C (32 °F to 122 °F) storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)				
Humidity	20% to 95% RH, non-condensing				
General					
Client software	IDMVS				
Certification	CE, FCC, RoHS				