

# MV-ID2013M (Long Focal Length)

## 1.3 MP Smart Code Reader



### Introduction

MV-ID2013M (Long Focal Length) 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.

### Applicable Industry

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

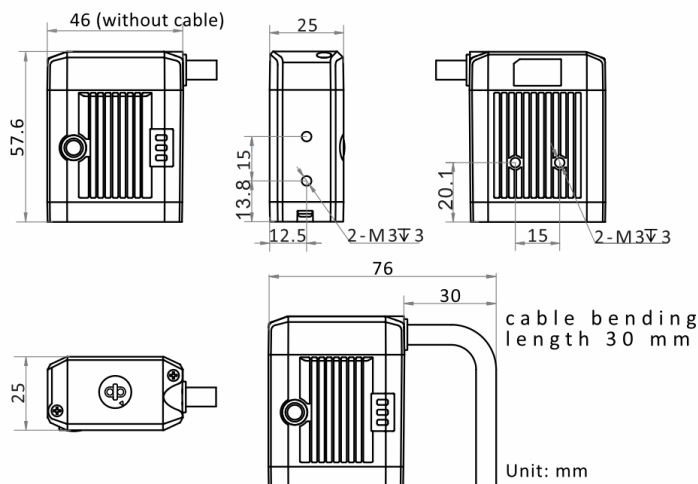
### Key Feature

- Compact design and small in size.
- 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, Ethernet/IP, MELSEC/SLMP, etc.

### Available Model

- Device with 16 mm focal length: MV-ID2013M-16S-RBN
- Device with 25 mm focal length: MV-ID2013M-25S-RBN

### Dimension



# Specification

Model	MV-ID2013M-16S-RBN	MV-ID2013M-25S-RBN
<b>Performance</b>		
<b>Symbologies</b>	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	
<b>Max. frame rate</b>	60 fps	
<b>Max. reading speed</b>	45 codes/sec	
<b>Sensor type</b>	CMOS, global shutter	
<b>Pixel size</b>	4 $\mu\text{m}$ $\times$ 4 $\mu\text{m}$	
<b>Sensor size</b>	1/2.7"	
<b>Resolution</b>	1280 $\times$ 1024	
<b>Exposure time</b>	40 $\mu\text{s}$ to 1 sec	
<b>Gain</b>	0 dB to 15 dB	
<b>Mono/color</b>	Mono	
<b>Communication protocol</b>	SmartSDK, TCP Client, Serial, FTP, TCP Server, Profinet, MELSEC/SLMP, Ethernet/IP, ModBus, UDP, Fins	
<b>Optics</b>		
<b>Focal length</b>	16 mm (0.6")	25 mm (1.0")
<b>Working distance</b>	105 mm to 150 mm (4.1" to 5.9")	170 mm to 200 mm (6.7" to 7.9")
<b>Ambient illumination</b>	0 lux to 50000 lux	
<b>Light source</b>	Red LED	
<b>Aiming system</b>	Not supported	
<b>Electrical feature</b>		
<b>Data interface</b>	Fast Ethernet	
<b>Digital I/O</b>	17-pin M12 connector provides power and I/O, including none-isolated input $\times$ 1 (Line 2), none-isolated output $\times$ 1 (Line 3), configurable bi-directional none-isolated I/O $\times$ 2 (Line 0/1), RS-232 $\times$ 1. Device trigger via pressing button supported.	
<b>Power supply</b>	12 VDC to 24 VDC	
<b>Max. power consumption</b>	Approx. 24 W@12 VDC	
<b>Mechanical</b>		
<b>Lens mount</b>	M12-mount, adjusting focus manually supported	
<b>Indicator</b>	Power indicator (PWR), network indicator (LNK), and status indicator (STS).	
<b>Dimension</b>	46 mm $\times$ 25 mm $\times$ 57.6 mm (1.8" $\times$ 1.0" $\times$ 2.3")	
<b>Weight</b>	Approx. 215 g (0.5 lb.)	
<b>Ingress protection</b>	IP65	
<b>Temperature</b>	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 $^{\circ}\text{F}$ )	
<b>Humidity</b>	20% to 95% RH, non-condensing	
<b>General</b>		
<b>Client software</b>	IDMVS	
<b>Certification</b>	CE, RoHS	

**HIKROBOT**

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