

# MV-ID2013M-00C-NNN

## 1.3 MP Smart Code Reader



## Introduction

MV-ID2013M-00C-NNN 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.

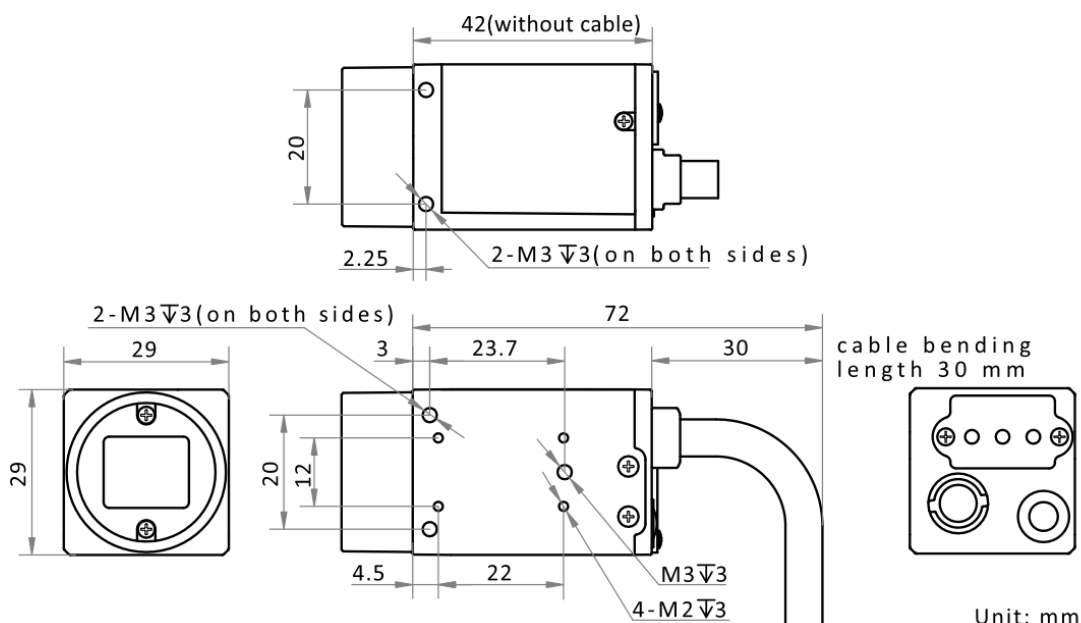
## Available Model

MV-ID2013M-00C-NNN

## Dimension

## Key Feature

- Compact design and small in size.
- Adopts multiple IO interfaces and plug-in power interface.
- Supports multiple communication protocols, including TCP, Serial, FTP, Profinet, Ethernet/IP, MELSEC/SLMP, etc.
- Mounting holes on panels for flexible mounting from 4 sides.



## Specification

<b>Model</b>	<b>MV-ID2013M-00C-NNN</b>
<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>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. 6 W@12 VDC
<b>Mechanical</b>	
<b>Lens mount</b>	C-mount
<b>Indicator</b>	Power indicator (PWR), network indicator (LNK), and status indicator (STS).
<b>Dimension</b>	29 mm $\times$ 29 mm $\times$ 42 mm (1.1" $\times$ 1.1" $\times$ 1.2")
<b>Weight</b>	Approx. 140 g (0.3 lb.)
<b>Ingress protection</b>	IP40
<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