

# MV-ID5120M-00C-NNN

12 MP Smart Code Reader



## Introduction

MV-ID5120M-00C-NNN smart code reader can read different types of codes with reading speed up to 84 codes/sec. It adopts Hikrobot's deep learning algorithm to process image with good robustness, and can recognize various complex codes.

## Key Feature

- Adopts built-in deep learning algorithm to read codes with good robustness.
- Adopts multiple IO interfaces for input and output signals.
- Supports multiple communication protocols, including TCP, Serial, FTP, Profinet, etc.
- Adopts CMOS sensor to acquire image data and provide high-quality image.
- Supports RS-232 serial port and indicators displaying device status.

## Available Model

MV-ID5120M-00C-NNN

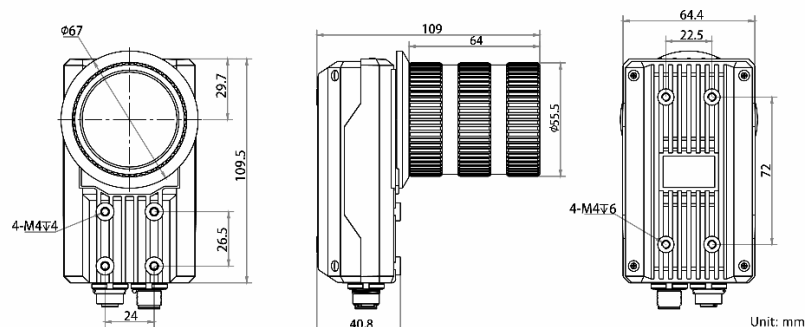
## Applicable Industry

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

## Accessories

KF series lens: MVL-KF3528M-12MP

## Dimension



## Specification

<b>Model</b>	<b>MV-ID5120M-00C-NNN</b>
<b>Performance</b>	
<b>Symbologies</b>	1-dimensional codes: Code 39, Code 93, Code 128, CodaBar, EAN 8, EAN 13, UPCA, UPCE, ITF 14, ITF 25, Matrix 25, MSI, China Post, Code 11, Industrial
	2-dimensional codes: QR Code, Data Matrix
<b>Max. frame rate</b>	28 fps @4096 × 3072
<b>Max. reading speed</b>	84 codes/sec
<b>Sensor type</b>	CMOS, global shutter
<b>Pixel size</b>	3.2 μm × 3.2 μm
<b>Sensor size</b>	1"
<b>Resolution</b>	4096 × 3072
<b>Exposure time</b>	60 μs to 1 sec
<b>Gain</b>	0 dB to 18 dB
<b>Mono/color</b>	Mono
<b>Communication protocol</b>	SmartSDK, TCP Client, Serial, FTP, TCP Server, Profinet, Ethernet/IP, MELSEC, Fins, ModBus, SLMP
<b>Electrical feature</b>	
<b>Data interface</b>	Gigabit Ethernet interface
<b>Digital I/O</b>	12-pin M12 connector provides power and I/O, including opto-isolated input (LineIn 0/1/2) × 3, opto-isolated output (LineOut 0/1/2) × 3, RS-232 input × 1, and RS-232 output × 1.
<b>Power supply</b>	12 VDC to 24 VDC
<b>Max. power consumption</b>	Approx. 12 W@24 VDC
<b>Mechanical</b>	
<b>Lens mount</b>	C-mount
<b>Light source</b>	Not included
<b>Lens cap</b>	Included
<b>Indicator</b>	Power indicator (PWR), network indicator (LNK/ACT), and user-defined indicator (U1/U2).
<b>Dimension</b>	109.5 mm × 64.4 mm × 109 mm (4.3" × 2.5" × 4.3")
<b>Weight</b>	Approx. 470 g (1.0 lb.)
<b>Ingress protection</b>	IP67 (under proper installation of waterproof lens cap)
<b>Temperature</b>	Working temperature: 0 °C to 50 °C (32 °F to 122 °F)
	Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)
<b>Humidity</b>	20% to 95% RH, non-condensing
<b>General</b>	
<b>Client software</b>	IDMVS
<b>Certification</b>	CE, FCC, RoHS

# HIKROBOT

Hangzhou Hikrobot Technology Co., Ltd.  
No.399 Danfeng Road, Binjiang District, Hangzhou 310051, China.  
en.hikrobotics.com

Copyright Hikrobot

Hangzhou Hikrobot Technology Co., Ltd. All Rights Reserved. Hangzhou Hikrobot Technology does not tolerate any infringement. Any organization or individual may not imitate or reproduce in whole or in part of the content. The data herein is based on Hikrobot's internal evaluation. Actual data may vary depending on specific configuration and operating condition. The information herein is subject to change without notice. All the content has been checked conscientiously. Nevertheless, Hikrobot shall not be liable to damages resulting from errors, inconsistencies or omissions.