

# 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

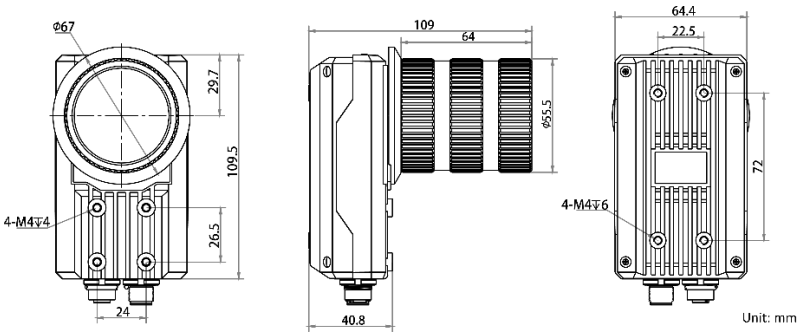
### Applicable Industry

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

### Accessories

KF series lens: MVL-KF3528M-12MP

### Dimension



Unit: mm

# 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