AGT Absolute Gauge Technologies™

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HIKROBOT®

MV-ID5120M-00C-NNN

12 MP Smart Code Reader

CE FC RoHS KC

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 CMOS global shutter sensor to provide high quality images.
- Supports code score and quality evaluation for code printing quality.
- Adopts controllable light source design providing diversified light.
- Supports multiple communication protocols, including TCP, Serial, FTP, Profinet, etc.
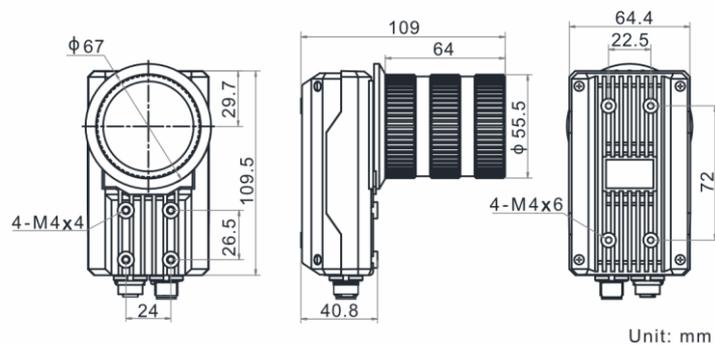
Available Model

MV-ID5120M-00C-NNN

Applicable Industry

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

Dimension

Unit: mm

Specification

Model	MV-ID5120M-00C-NNN
Performance	
Symbologies	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
	2-dimensional codes: QR Code, Data Matrix
	Stack codes: PDF 417
Max. frame rate	28 fps
Max. reading speed	84 codes/sec
Sensor type	CMOS, global shutter
Pixel size	3.2 µm × 3.2 µm
Sensor size	1"
Resolution	4096 × 3072
Exposure time	60 µs to 1 sec
Gain	0 dB to 18 dB
Mono/color	Mono
Communication protocol	SmartSDK, TCP Client, Serial, FTP, TCP Server, Profinet, Ethernet/IP, MELSEC, Fins, ModBus, SLMP
Electrical feature	
Data interface	Gigabit Ethernet
Digital I/O	12-pin M12 connector provides power and I/O, including opto-isolated input (LineIn 0/1/2) × 3, opto-isolated output (LineOut 3/4/5) × 3, RS-232 input × 1, and RS-232 output × 1.
Power supply	12 VDC to 24 VDC
Max. power consumption	12 W@24 VDC
Mechanical	
Lens mount	C-mount
Light source	Not included
Lens cap	Transparent lens cap
Indicator	Power indicator (PWR), network indicator (LNK/ACT), and user-defined indicator (U1/U2).
Dimension	109.5 mm × 64.4 mm × 109 mm (4.3" × 2.5" × 4.3")
Weight	Approx. 470 g (1.0 lb.)
Ingress protection	IP67 (under proper installation of waterproof lens cap)
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, KC

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