MV-ID6120M-00C-NNG

12 MP 1/1.7" CMOS Smart Code Reader

CE   FC   RoHS

Introduction

With built-in code reading algorithm, MV-ID6120M-00C-NNG smart code reader can read different types of 1-dimensional code and 2-dimensional code with reading speed up to 60 codes/s. It adopts deep learning algorithm to process image with good robustness, and can recognize various poor printing quality barcodes.

Key Feature

- Adopts CMOS sensor to acquire image data and provide high-quality image.
- Adopts built-in deep learning algorithm.
- Adopts built-in code reading algorithm to read different codes.
- Supports various trigger modes and image acquisition modes.
- Adopts multiples IO interface for input and output signals.
- Supports RS-232 serial port and indicators displaying device status.

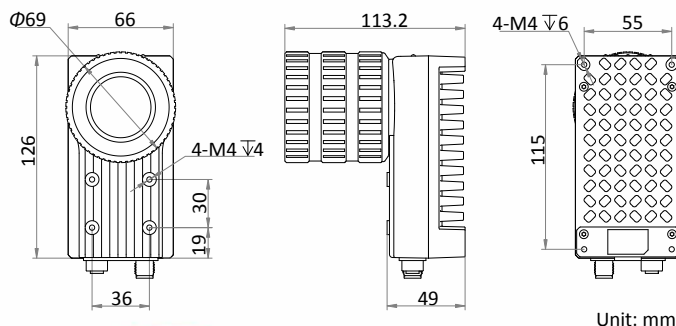## Available Model

MV-ID6120M-00C-NNG

Applicable Industry

Logistics code reading, factory automation, etc.

Accessories

- Lens: KF series FA lens
- Light source: MV-LB-230-230-4030WL-A

Dimension

Unit: mm

Specification

Model	MV-ID6120M-00C-NNG
Performance	
Symbologies	1-dimensional codes: Code 39, Code 128, Code 93, ITF25, CodaBar, EAN 2-dimensional codes: QR, DM
Max. frame rate	20 fps @4096 × 3000
Max. reading speed	60 codes/s
Sensor type	CMOS, rolling shutter
Pixel size	1.85 μm x 1.85 μm
Sensor size	1/1.7"
Resolution	4096 × 3000
Exposure time	16 μs to 1 s
Gain	0 dB to 15 dB
Mono/color	Mono
Communication protocol	SmartSDK, TCP Client, TCP Server, Serial, FTP, HTTP
Electrical features	
Data interface	Gigabit Ethernet interface
Digital IO	12-pin M12 connector provides power and I/O, including opto-isolated input (LineIn 0/1/2) x 3, opto-isolated output (LineOut 0/1/2) x 3, and RS-232 x 1.
Power supply	12 VDC to 24 VDC
Power consumption	< 12 W@24 VDC
Structure	
Lens mount	C-mount
Light source	Not included
Lens cap	Included
Dimension	126 mm x 66 mm x 113.2 mm (5.0" x 2.6" x 4.5")
Weight	Approx. 750 g (1.7 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, without condensation
General	
Client software	IDMVS
Certifications	CE, FCC, RoHS