

# MV-SI628-38GM/GC

5.0 MP X86 Open Platform



## Introduction

MV-SI628-38GM/GC is an open platform for users to develop their own programs according to actual demands. It has multiple interfaces, such as IO, serial port and extended interface, to communicate with other devices.

## Key Feature

- Adopts sensor platform for high-speed image processing.
- Open platform for users to develop their own programs.
- Multiple IO interfaces for input and output signals.
- Multiple LED indicators indicating real-time status to assist the configuration and debugging on site.
- Supports saving and exporting logs.
- Supports external extended module for meeting different application demands.

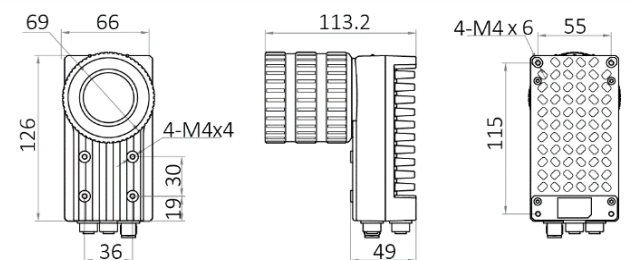
## Available Model

- Mono X86 open platform: MV-SI628-38GM
- Color X86 open platform: MV-SI628-38GC

## Applicable Industry

Consumer electronics, food and beverage, pharmaceutical, automobile, etc.

## Dimension



Unit: mm



# Specification

Model	MV-SI628-38GM	MV-SI628-38GC
<b>Tools</b>		
Function module	Open platform	
<b>Camera</b>		
Sensor type	CMOS, global shutter	
Sensor model	OnSemi PYTHON5000	
Pixel size	4.8 μm × 4.8 μm	
Sensor size	1"	
Resolution	2592 × 2048	
Max. frame rate	30 fps	
Dynamic range	60 dB	
SNR	40 dB	
Gain	0 dB to 15 dB	
Exposure time	16 μs to 2.5 s	21 μs to 2.5 s
Pixel format	Mono 8	Mono 8, Bayer GB 8, RGB 8
Mono/color	Mono	Color
<b>Platform</b>		
System framework	Intel® X86 framework. Intel® E3845, quad-core CPU, 1.9 GHz	
Memory	DDR3L 4 GB	
Storage	128 GB SSD	
<b>Electrical features</b>		
Data interface	Gigabit Ethernet interface	
Digital IO	12-pin M12 connector, including opto input × 3 (LineIn 0/1/2), opto output × 3 (LineOut 0/1/2), and RS-232 × 1.	
Extended interface	17-pin extended interface for connecting extended module	
Power supply	9 VDC to 24 VDC	
Power consumption	Approx. 34 W@24 VDC	
<b>Structure</b>		
Lens mount	C-mount	
Lens cap	Transparent lens cap	
Lighting	White light	
Indicator	Power indicator (PWR), network indicator (LNK/ACT), and user-defined indicator (U1/U2)	
Dimension	126 mm × 66 mm × 113.2 mm (5.0" × 2.6" × 4.5")	
Weight	Approx. 750 g (1.7 lb.)	
Ingress protection	IP67 (under proper installation of lens and wiring)	
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	
<b>General</b>		
Operating method	MVS	
Operating system	64-bit Windows 10	
Certifications	CE, FCC, RoHS	

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