

MV-SI620-38GM/GC

5.0 MP X86 Open Platform



Introduction

MV-SI620-38GM/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.

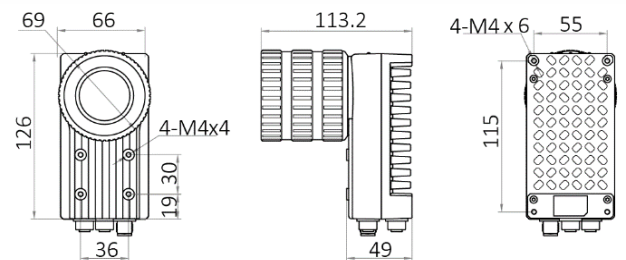
Available Model

- Mono X86 open platform: MV-SI620-38GM
- Color X86 open platform: MV-SI620-38GC

Applicable Industry

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

Dimension



Unit: mm



Specification

Model	MV-SI620-38GM	MV-SI620-38GC
Tools		
Function module	Open platform	
Camera		
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
Platform		
System framework	Intel® X86 framework. Intel® E3845, quad-core CPU, 1.9 GHz	
Memory	DDR3L 4 GB	
Storage	32 GB SSD	
Electrical features		
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	
Structure		
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	
General		
Operating method	MVS, VisionMaster	
Certifications	CE, FCC, RoHS	

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