

MV-SI648-08GM

8.9 MP X86 Open Platform



CE FCC RoHS

Introduction

MV-SI648-08GM 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.

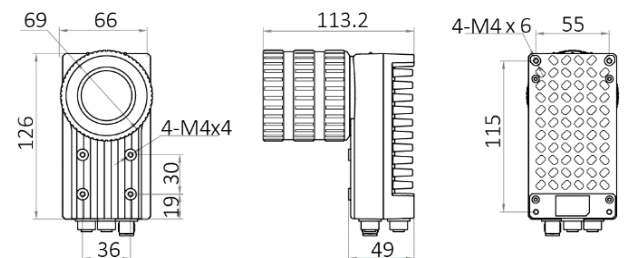
Available Model

Mono X86 open platform: MV-SI648-08GM

Applicable Industry

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

Dimension



Unit: mm



Specification

Model	MV-SI648-08GM
Tools	
Function module	Open platform
Camera	
Sensor type	CMOS, global shutter
Sensor model	Sony® IMX267
Pixel size	3.45 μm × 3.45 μm
Sensor size	1"
Resolution	4096 × 2160
Max. frame rate	30 fps
Dynamic range	72.8 dB
SNR	40 dB
Gain	0 dB to 40 dB
Exposure time	14 μs to 2.5 s
Pixel format	Mono 8
Mono/color	Mono
Platform	
System framework	Intel® X86 framework. Intel® E3845, quad-core CPU, 1.9 GHz
Memory	DDR3L 4 GB
Storage	128 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. 24 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
Operating system	64-bit Windows 10
Certifications	CE, FCC, RoHS

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