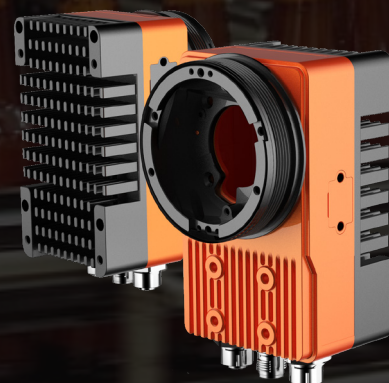


▲ DH-MV-SI5501MG000E

- Powerful intel platform, easy for secondary development
- 4G memory and 64G SSD internal storage
- Software trigger/Hardware trigger/Free run mode
- Industrial grade M12 connector
- 1Gbps Ethernet industrial interface, max 100m transmission



Specification

Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/Color	Pixel size (μm)	Sensor size
DH-MV-SI5501MG000E	Python5000	CMOS	Global	2592x 2048	20	10	GigE	Mono	4.8x4.8	1"

Model	DH-MV-SI5501MG000E
Effective Pixels	5.3MP
Operating System	Win 10 X64 OS
Processor	Intel Apollo Lake platform
SNR	>38dB
Dynamic Range	60dB
Interface	3 physical interface: 1 GigE, 1 GPIO, 1 VGA & 1 USB port
GPIO	Industrial M12 Connector: 3 Opto-isolated input and 3 Opto-isolated output
Image Format	Mono8/10
Gain	X1~X6
Gamma	Range from 0 to 4, support LUT
Memory	DDR4 4G Byte
Storage	Internal storage: 64GB SSD
Exposure Time	16μS~1S
Trigger Mode	Software trigger/Hardware trigger/Free run mode
User Setting	Support two sets of user-defined configurations
Dimensions	69mm×117mm×62mm
Weight	<2kg
LED indicator	5 status indicators: 1 system, 2 network and 2 user configurable indicators
Lens Mount	Support C/M12 mount
Power Supply	24V power supply
Power Consumption	≤30W
Temperature	Storage temperature: -30° C~ + 80° C; Operation temperature: 0° C~+50° C

SI5501MG000E

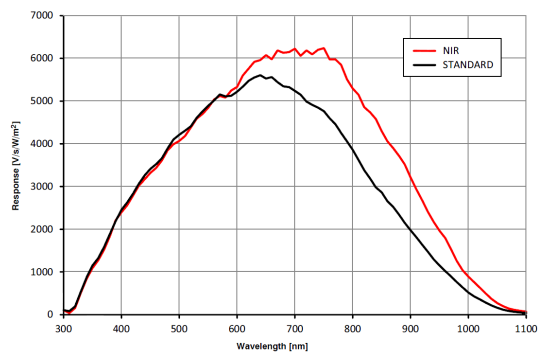
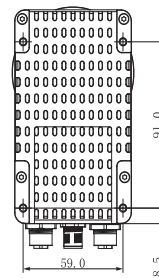
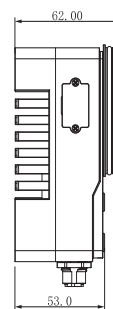
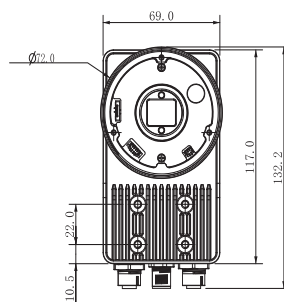
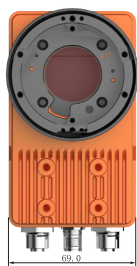


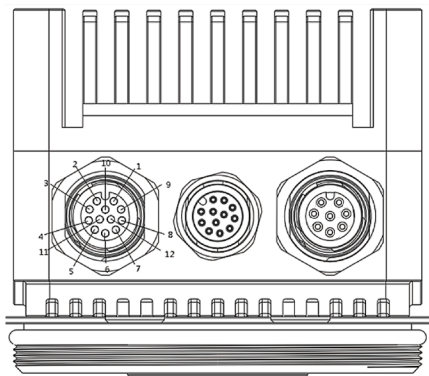
Figure 4. Spectral Response Curve for Standard and NIR Mono

Quantum Efficiency Curve for Mono Sensor

Dimensions



IO Interface Instruction



Pin	Signal	Description
1	OPT_IN1	Opto-isolated input 1
2	OPT_IN2	Opto-isolated input 2
3	OPT_OUT1	Opto-isolated output 1
4	OPT_OUT2	Opto-isolated output 2
5	RXD RS232	Serial port input
6	OPT_IN_GND	Opto-isolated in ground
7	Power	DC 24V input
8	GND	Power ground
9	OPT_OUT_GND	Opto-isolated out ground
10	OPT_IN0	Opto-isolated input 0
11	OPT_OUT0	Opto-isolated output 0
12	TXD RS232	Serial port output