DH-MV-SI5500MG000E



- Powerful intel platform, easy for secondary development
- Support standard 2.5mm audio interface
- 8G memory and 128G SSD internal storage
- Software trigger/Hardware trigger/Free run mode
- Industrial grade M12 connector with IP67 protection
- 1Gbps Ethernet industrial interface, max 100m transmission

Specification

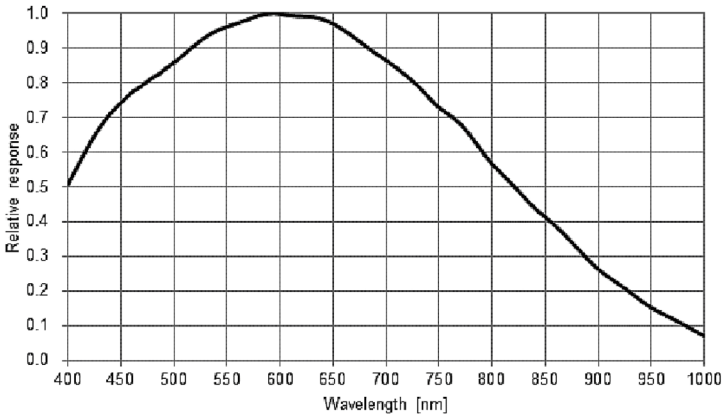
Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/Color	Pixel size (μm)	Sensor size
DH-MV-SI5500MG000E	IMX264	CMOS	Global	2448x2048	35	12	GigE	Mono	3.45x3.45	2/3"

Model	DH-MV-SI5500MG000E
Effective Pixels	5MP
Operating System	Win 10 X64 OS
Processor	Intel Apollo Lake platform
SNR	>38dB
Dynamic Range	70dB
Interface	3 physical interface: 1 GigE, 1 GPIO, 1 USB & VGA port
GPIO	12 pins IO interface: 3 input without opto isolation, 3 output without opto isolation
Image Format	Mono8/10/12
Gain	X1~X6
Gamma	Range from 0 to 4, support LUT
Memory	DDR4 8G Byte
Storage	External storage: support maximum 32GB SD card; Internal storage: maximum 128GB SSD
Exposure Time	33.6μS~1S
Trigger Mode	Software trigger/Hardware trigger/Free run mode
User Setting	Support two sets of user-defined configurations
Dimensions	132.2mm x 69mm x 127mm/132.2mm x 69mm x 109.5mm
Weight	<2kg
LED indicator	5 status indicators: 1 system, 2 network and 2 user configurable indicators
Lens	support C / M12 mount 16mm (25mm/35mm optional): 132.2mm x 69mm x 127mm 8mm/12mm optional: 132.2mm x 69mm x 109.5mm
LED light	Built in white led light
Power Supply	Support 24V DC power supply
IP Rating	IP67 with lens cover
Power Consumption	≤30W
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature: 0° C~+50° C

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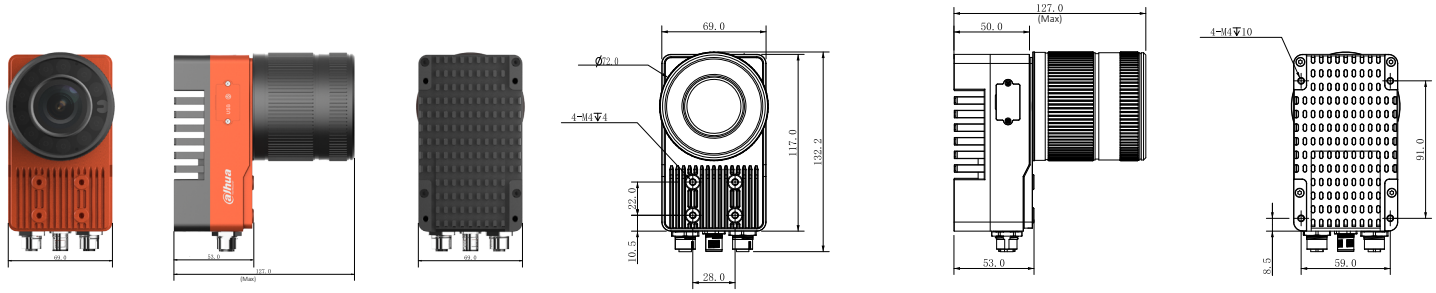
Spectrogram

SI5500MG000E

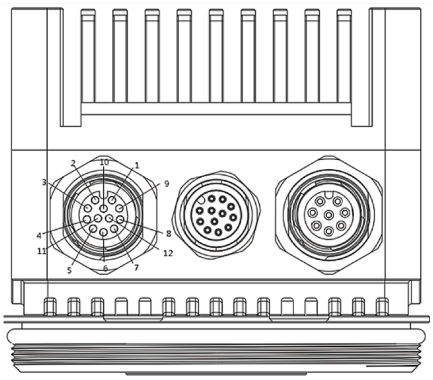


Quantum Efficiency Curve for Mono Sensor

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