

## ▲ DH-MV-L5023MG51E

- 256MB on-board frame buffer
- Support multiple image data formats
- Supports flat field correction for multiple user groups
- Conform to CE, FCC, RoHS certfcations
- Software trigger/Hardware trigger/Free run mode
- Compatible with GigE Vision protocol and GenICam standard



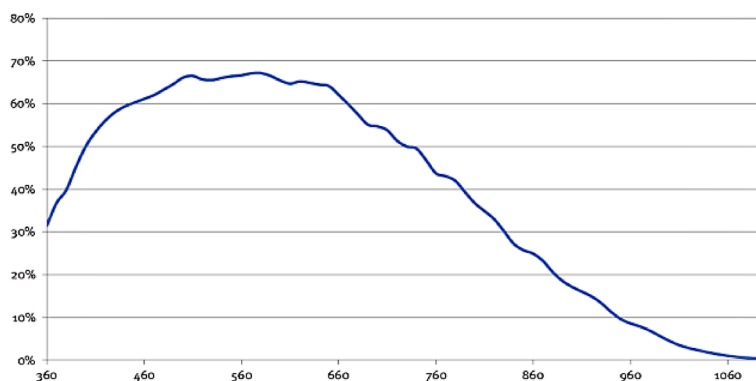
### Specification

Model	Sensor	Sensor type	Resolution	Line rate ( Hz )	Bit depth	Interface	Mono/Color	Pixel size( $\mu m$ )
DH-MV-L5023MG51E	E2V	CMOS	2048x1	51K	10	GigE	Mono	10x10

Model	DH-MV-L5023MG51E
SNR	45dB
Dynamic Range	73dB
Sensitivity	162 LSB/(nJ/cm <sup>2</sup> )
GPIO	6-pin Hirose connector for external power supply; 12-pin Hirose external trigger connector, 2 channels for RS422/singleEnded input, 2 channels for RS422/singleEnded output, 1 channel for RS422/singleEnded is able to configure input/output, and 1 channel for GPIO
Image Format	Mono8/10/10Packed/12/12Packed
Gain	X1~X6
Exposure Time	8 $\mu$ S~1S
Trigger Input	RS422
Dimensions	62mmx62mmx35mm( not including lens mount and rear case connector)
Flat Field Correction	Support the import/export of correction result
Weight	230g
Power Supply	DC power supply by Hirose connector, with voltage range from 12V to 24V
Lens Mount	M42*1(FBL:12.00mm), M42 to C, M42 to F
Power Consumption	12V $\approx$ 4.5W
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C

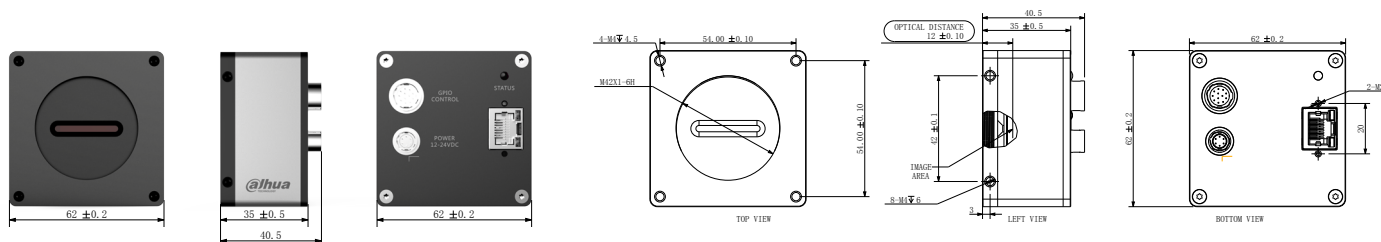
## Spectrogram

### L5023MG51E

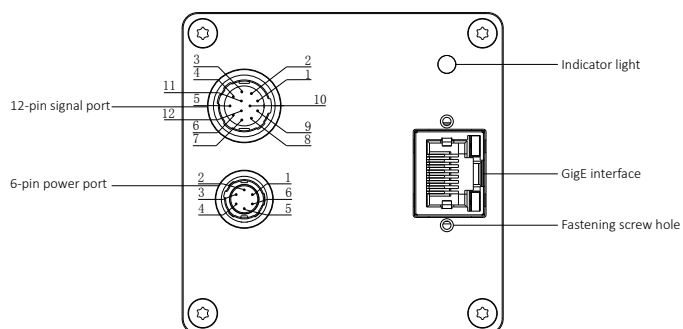


Quantum Efficiency Curve for Mono Sensor

## Dimensions



## IO Interface Instruction



Pin	Signal	Description
1	Line1_in-	RS422 input-
2	Line1_in+	RS422 input +/singleEnded input
3	Line3_inout-	RS422 input/output-
4	Line3_inout+	RS422 input/output +/singleEnded output/output
5	Signal ground	Ground
6	Line5_out-	RS422 output-
7	Line5_out+	RS422 output +/singleEnded output
8	Line2_in-	RS422 input
9	Line2_in+	RS422 input +/singleEnded input
10	Line4_GPIO	SingleEnded input/output
11	Line6_out-	RS422 output-
12	Line6_out+	RS422 output +/singleEnded output

Pin	Signal	Description
1	Power	DC 12V-24V input
2	Power	DC 12V-24V input
3	--	--
4	--	--
5	GND	Ground
6	GND	Ground