DH-MV-L5023CG49E

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



Specification

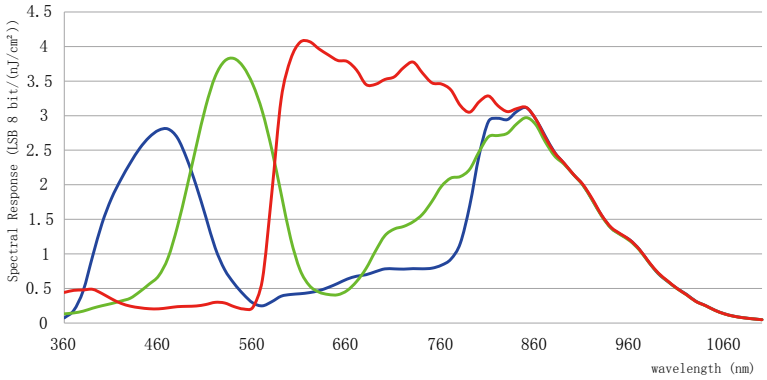
Model	Sensor	Sensor type	Resolution	Line rate （Hz）	Bit depth	Interface	Mono/Color	Pixel size(μm)
DH-MV-L5023CG49E	E2V	CMOS	2048x2	49K	10	GigE	Color	10x10

Model	DH-MV-L5023CG49E
SNR	45dB
Dynamic Range	73dB
Sensitivity	162 LSB/(nJ/cm²)
GPIO	6-pin Hirose connector for external power supply; 12-pin Hirose external trigger connector,2 channels for RS422/singleEnded input, 2channels for RS422/singleEnded output,1 channel for RS422/singleEnded is able to configure input/output,and 1 channel for GPIO
Image Format	Mono8,BayerRG8/10/10Packed/12/12Packed,RGB8packed,YUV422Packed
Gain	X1~X6
Exposure Time	8μS~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≈4.5W
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C

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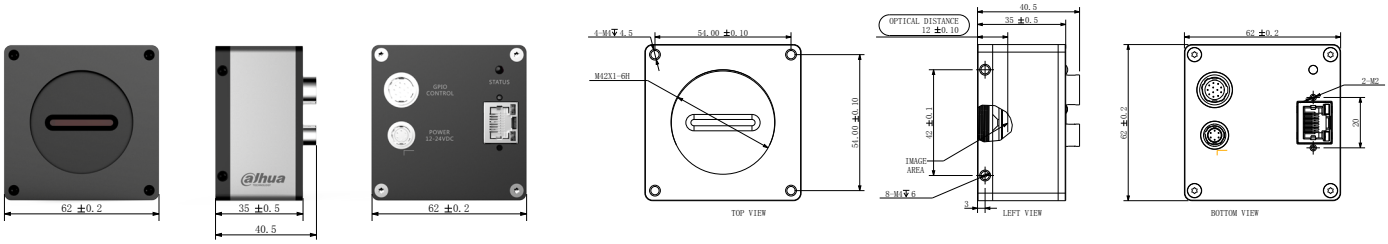
Spectrogram

L5023CG49E

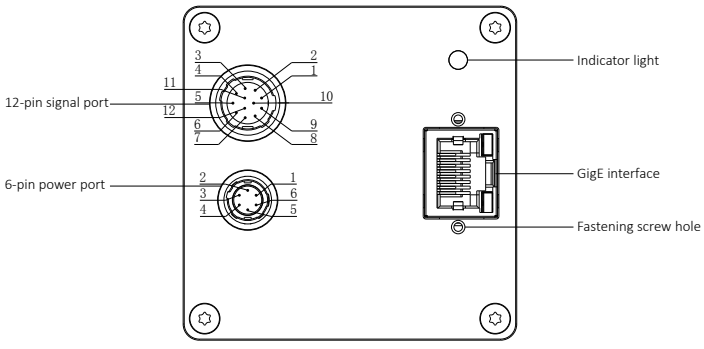


Quantum Efficiency Curve for Mono and Color Sensor

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