

DH-MV-A5031M/CG300E

- 1Gbps Ethernet interface , max 100m transmission
- 128MB on-board frame buffer
- Support multiple image data formats
- Conform to CE, FCC, UL and RoHS certifications
- Software trigger/Hardware trigger/Free run mode
- Compatible with GigE Vision V2.0 protocol and GenICam standard



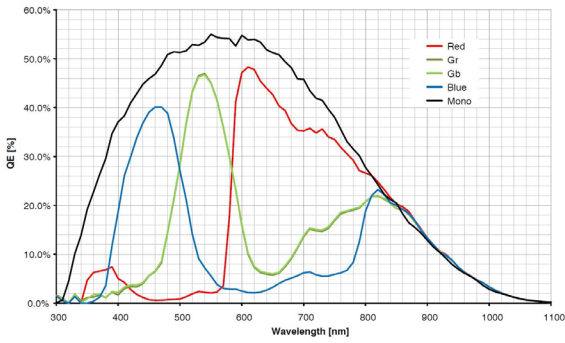
Specification

Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/Color	Pixel size (μm)	Sensor size
DH-MV-A5031MG300E	PYTHON 300	CMOS	Global	640 x 480	300	10	GigE, POE	Mono	4.8 x 4.8	1/4"
DH-MV-A5031CG300E	PYTHON 300	CMOS	Global	640 x 480	300	10	GigE, POE	Color	4.8 x 4.8	1/4"

Model	DH-MV-A5031MG300E	DH-MV-A5031CG300E
Effective Pixels	0.3MP	
SNR	>38dB	
Dynamic Range	60dB	
GPIO	6 pin Hirose: 1 Opto-isolated input, 1 Opto-isolated output, 1 configurable input/output without opto isolation	
Image Format	Mono8/10/10Packed	BayerGB8/10/10Packed, YUV422Packed Mono8, BayerRG8/10/10Packed
Binning	Support	--
ROI	Support	
Gain	X1~X32	
Gamma	Range from 0 to 4, support LUT	
Exposure Time	1μS~1S	
Trigger Mode	Software trigger/Hardware trigger/Free run mode	
Image Buffer	64MB	
User Setting	Support two sets of user-defined configurations	
Dimensions	29mmx29mmx42mm(not including lens mount and rear case connector)	
Weight	88g	
Power Supply	POE/DC power supply by Hirose connector, with voltage range from 6V to 26V	
Power Consumption	12V≈3.2W	
Lens Mount	C	
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C	

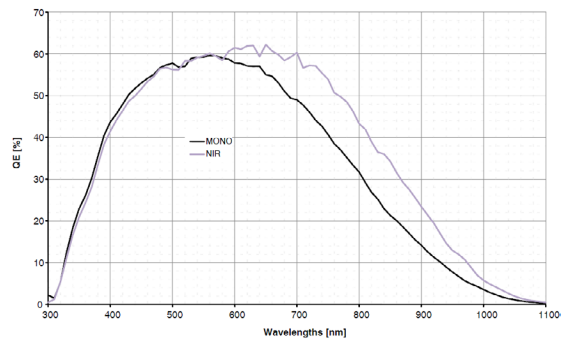
Spectrogram

A5031CG300E



Quantum Efficiency Curve for Mono and Color Sensor

A5031MG300E



Quantum Efficiency Curve for Mono Sensor

Dimensions



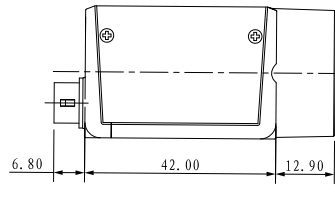
29.00



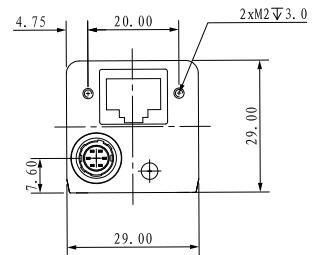
6.80 42.00 12.90



29.00

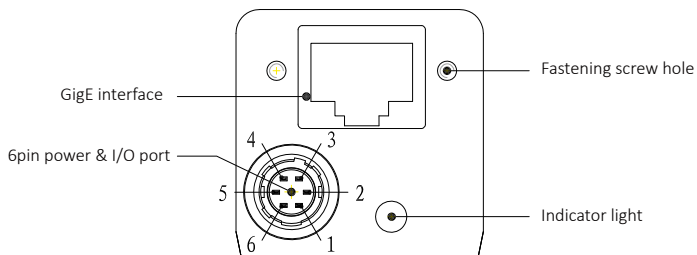


6.80 42.00 12.90



4.75 20.00 29.00 7.60 2xM2 V3.0

IO Interface Instruction



Pin	Signal	Description
1	Power	DC 6V-26V input
2	Line1	Opto-isolated input
3	Line2	Configurable IO input/output
4	Line0	Opto-isolated output
5	IO GND	Opto-isolated ground
6	GND	Ground