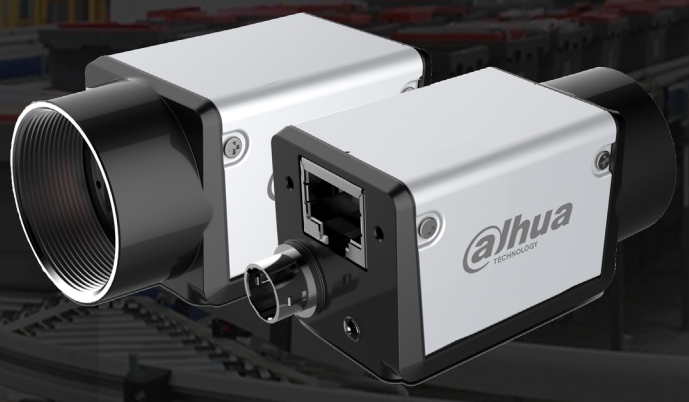
DH-MV-A3A04MG10E



- 1Gbps Ethernet interface , max 100m transmission
- 128MB on-board frame buffer
- Support multiple image data formats
- Conform to CE, FCC, 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-A3A04MG10E	MT9J003	CMOS	Global	3840 x 2748	10	12	GigE, POE	Mono	1.67 x 1.67	1/2.3"

Model	DH-MV-A3A04MG10E
Effective Pixels	10.6MP
SNR	>32dB
Dynamic Range	65dB
GPIO	6 pin Hirose: 1 Opto-isolated input, 1 Opto-isolated output,1 configurable input/output without opto isolation
Image Format	Mono8/10/10Packed/12/12Packed
Binning	Support
Gain	X1~X32
Gamma	Range from 0 to 4,support LUT
Exposure Time	25μS~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≈2.9W
Lens Mount	C
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C

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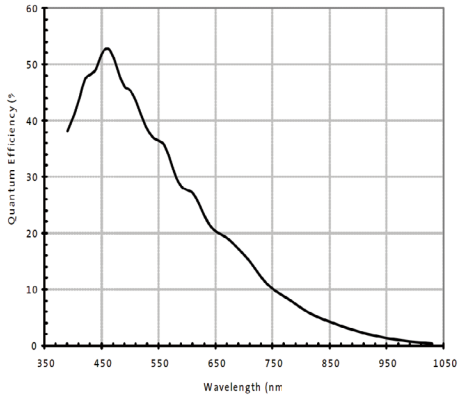
Spectrogram

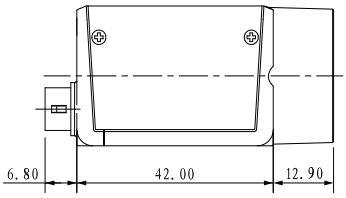
A3A20CG8E

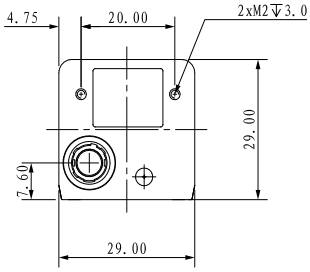


Quantum Efficiency Curve for Mono Sensor

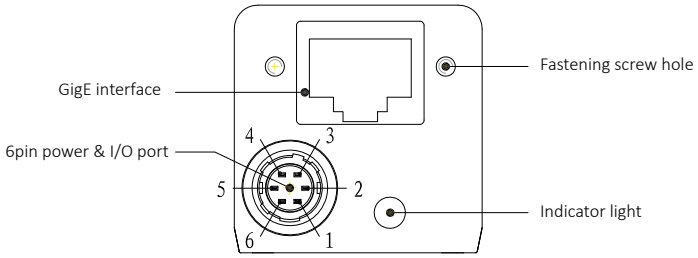
Dimensions







IO Interface Instruction



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