

▲ A5B57MG200E

- 256MB on-board cache for data transmission and image data resend
- Support Software Trigger/Hardware Trigger/Free Run Mode
- Support ISP functions including Sharpness/Denoising/Gamma/LUT/BlackLevel Correction/TargetBrightness/Contrast etc
- Support multiple image format output/ROI/Binning/Mirror etc
- Conforms to GigE Vision V2.0 protocol and GenICam standard
- Conforms to CE,FCC,UL and RoHS certifications
- GigE interface provides 1Gbps bandwidth, with max 100m transmission distance



Specification

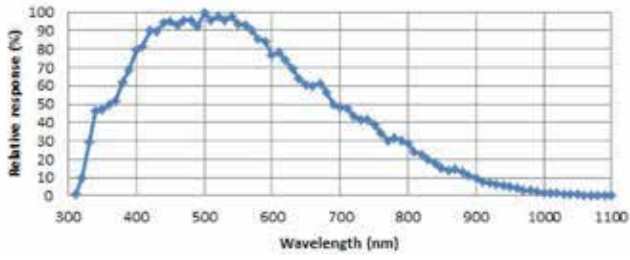
Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/Color	Pixel size (μ m)	Sensor size
A5B57MG200E	GMAX0505	CMOS	Global	5120x5120	4	12	GigE,PoE	Mono	2.5x2.5	1.1"

Model	A5B57MG200E
Effective Pixels	25MP
SNR	>35dB
Dynamic Range	>64dB
GPIO	6 pin Hirose: 1 Opto-isolated input, 1 Opto-isolated output
Image Format	Mono8/10/10Packed/12/12Packed
Binning	Support
Decimation	No
ROI	Support
Gain	X1~X32
Gamma	Range from 0 to 4,support LUT
Exposure Time	5μs~1s
Trigger Mode	Software trigger/Hardware trigger/Free run mode
Image Buffer	128MB
User Setting	Support two sets of user-defined configurations
SPC	Support
FPN	No
Dimensions	29mmx44mmx58mm(not including lens mount and rear case connector)
Weight	100g
Power Supply	POE/DC power supply by Hirose connector,with voltage range from 6V to 26V
Power Consumption	12V≈4.0W
Lens Mount	C-mount
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C

Spectrogram

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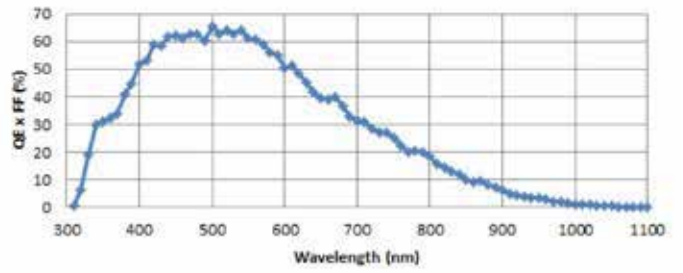
Relative response



Quantum Efficiency Curve for Mono Sensor

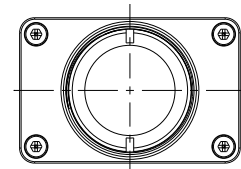
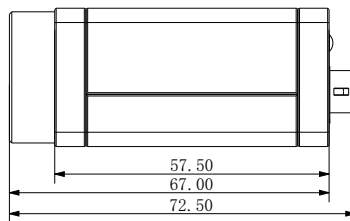
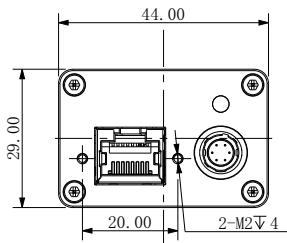
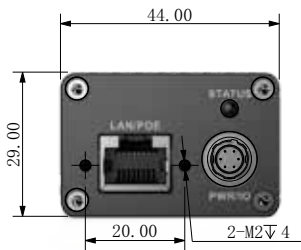
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Spectral response

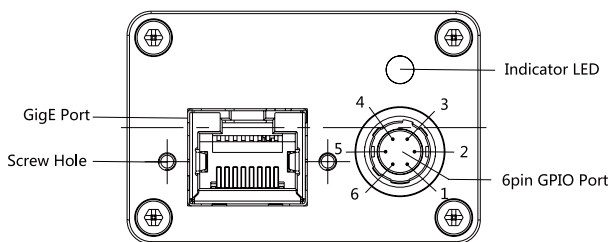


Quantum Efficiency Curve for Mono Sensor

Dimensions



IO Interface Instruction



Pin	Signal	Description
1	Power	DC +6V~26V
2	Line1	Opto-isolated Input
3	Line2	NA
4	Line0	Opto-isolated Output
5	IO GND	Opto-isolated Ground
6	GND	DC Power Ground