

▲ A3504M/CG100E

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



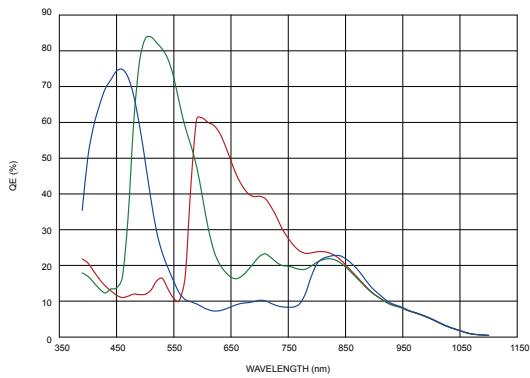
Specification

Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/Color	Pixel size (μ m)	Sensor size
A3504MG100E	AR0521	CMOS	Rolling	2592x1944	23	12	GigE	Mono	2.2x2.2	1/2.5"
A3504CG100E	AR0521	CMOS	Rolling	2592x1944	23	12	GigE	Color	2.2x2.2	1/2.5"

Model	A3504MG100E	A3504CG100E
Effective Pixels	5.0MP	
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/12/12Packed	Mono8,BayerRG8/10/10Packed/12/12Packed,BayerGB8/10/10Packed/12/12Packed,YUV422Packed
Binning	Support	--
Gain	X1~X32	
Gamma	Range from 0 to 4,support LUT	
Exposure Time	21.5μs~1s	
Trigger Mode	Software trigger/Hardware trigger/Free run mode	
Image Buffer	64MB	
User Setting	Support two sets of user-defined configurations	
Dimensions	29mmx29mmx29mm(not including lens mount and rear case connector)	
Weight	60g	
Power Supply	DC power supply by Hirose connector,with voltage range from 6V to 26V	
Power Consumption	12V≈2.8W	
Lens Mount	C	
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C	

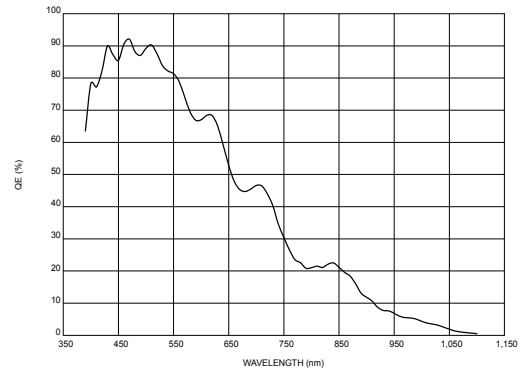
Spectrogram

A3504CG100E



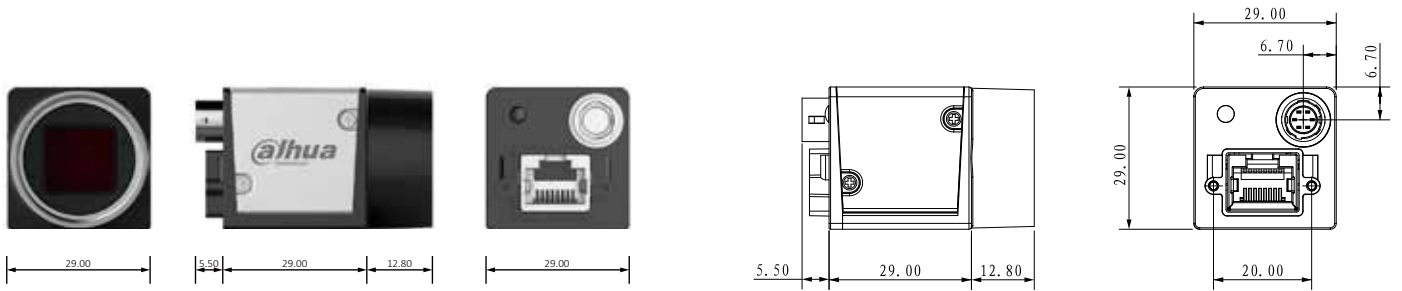
Quantum Efficiency Curve for Mono and Color Sensor

A3504MG100E

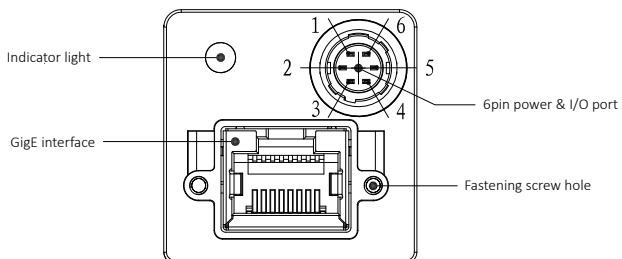


Quantum Efficiency Curve for Mono Sensor

Dimensions



IO Interface Instruction



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