

▲ AX7C10M/CG250E

- Sony CMOS sensor, Global Shutter, APS-C sensor size
- Support FFC function and enabled excellent image quality
- Own patented sensor flatness adjustment solution
- Excellent thermal control design to maintain stable temperature
- GigE interface provides 1Gbps bandwidth, with max 100m transmission
- Conforms to GigE Vision V2.0 protocol and GenICam standard
- DC 12-24V wide range power supply
- Conforms to CE, FCC, UL and RoHS certifications



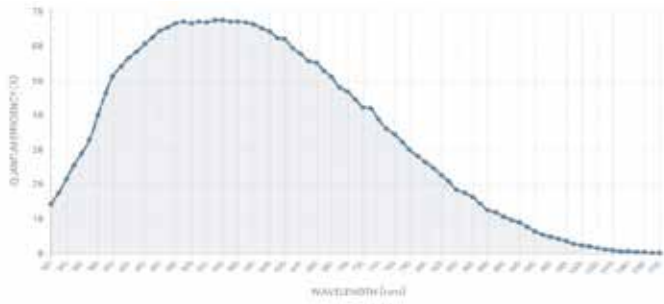
Specification

Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/ Color	Pixel size (μ m)	Sensor size
AX7C10MG250E	IMX342	CMOS	Global	6480x4860	3	12	GigE	Mono	3.45x3.45	APS-C
AX7C10CG250E	IMX342	CMOS	Global	6480x4860	3	12	GigE	Color	3.45x3.45	APS-C

Model	AX7C10MG250E	AX7C10CG250E
Effective Pixels	31MP	
SNR	>38dB	
Dynamic Range	66dB	
GPIO	12 pin Hirose: 3 Opto-isolated input, 3 Opto-isolated output, 1 RS232 serial port	
Image Format	Mono8/10/10Packed/12/12Packed	Bayer RG8/RG10/RG10Packed
Binning	Support	
Gain	x1~x32	
Gamma	Support	
Exposure Time	3μS~10S	
Trigger Mode	Software trigger/Hardware trigger/Free run mode	
Image Buffer	256MB	
User Setting	Support two sets of user-defined configurations	
Dimensions	72mmx72mmx64.1mm(not including lens mount and rear case connector)	
Weight	350g	
Power Supply	DC power supply by Hirose connector , with voltage range from 12V to 24V	
Power Consumption	≤13W, 12V	
Lens Mount	M58/F	
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C	

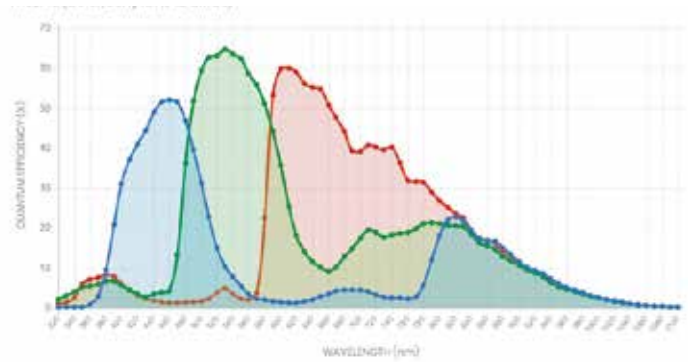
Spectrogram

AX7C10MG250E



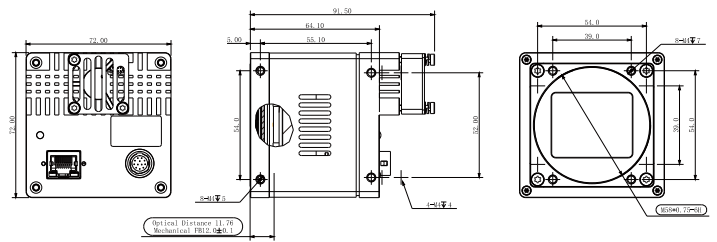
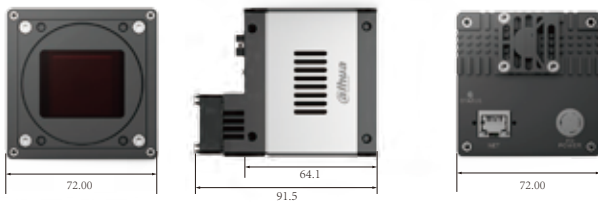
Quantum Efficiency Curve for Mono Sensor

AX7C10CG250E

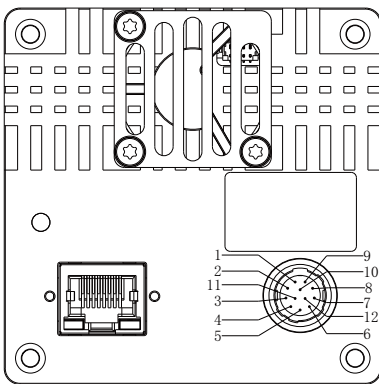


Quantum Efficiency Curve for Color Sensor

Dimensions



IO Interface Instruction



Pin	Signal	Description
1	GND	Camera Power Ground
2	Power	Camera power
3	RXD RS232	Serial port receiver
4	TXD RS232	Serial port transmitter
5	OPT_IN1	Opto-isolated input 1
6	OPT_IN2	Opto-isolated input 2
7	OPT_IN3	Opto-isolated input 3
8	OPT_IN_GND	Opto-isolated input ground
9	OPT_OUT1	Opto-isolated output 1
10	OPT_OUT2	Opto-isolated output 2
11	OPT_OUT3	Opto-isolated output 3
12	OPT_OUT_GND	Opto-isolated output ground