

## ▲ AX7C10M/CK250E

- CameraLink interface, support Base/Medium/Full/Deca mode
- Support multiple image data format output, ROI, mirroring, etc
- Conform to CameraLink V2.0 protocol and GenICam standard
- Conform to GenCP V1.1 Standard Communication Protocol
- Conform to CE, FCC, UL and RoHS certifications
- Software trigger/Hardware trigger/Free run mode



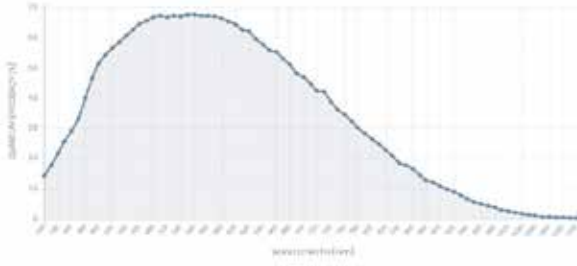
### Specification

Model	Sensor	Sensor type	Shutter	Resolution	Frame rate ( fps )	Bit depth	Interface	Mono/Color	Pixel size ( μ m )	Sensor size
AX7C10MK250E	IMAX342	CMOS	Global	6480 x 4860	20	12	CameraLink	Mono	3.45x3.45	APS-C
AX7C10CK250E	IMAX342	CMOS	Global	6480 x 4860	20	12	CameraLink	Color	3.45x3.45	APS-C

Model	AX7C10MK250E	AX7C10CK250E
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	--	
User Setting	Support two sets of user-defined configurations	
Dimensions	72mmx72mmx64mm( not including lens mount and rear case connector)	
Weight	390g	
Power Supply	PoCL/ DC 14V~24V via Hirose connector	
Power Consumption	24V≈8W	
Lens Mount	M58(FBL 12)	
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C	

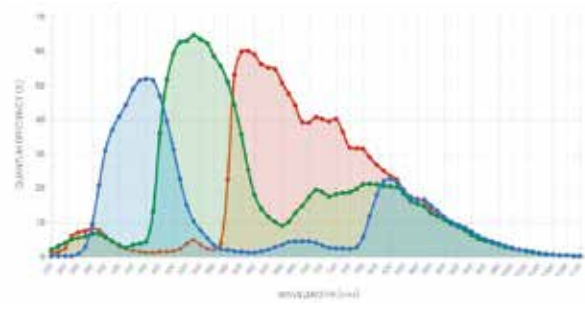
## Spectrogram

AX7C10MK250E



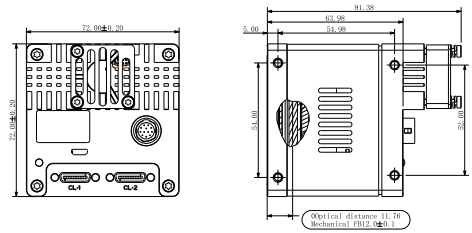
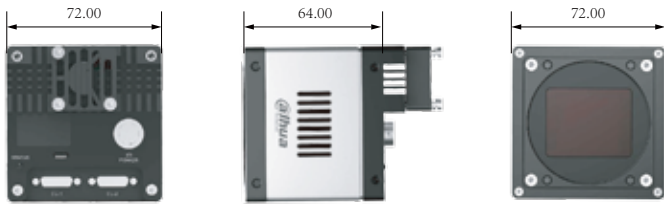
Quantum Efficiency Curve for Mono and Color Sensor

AX7C10CK250E

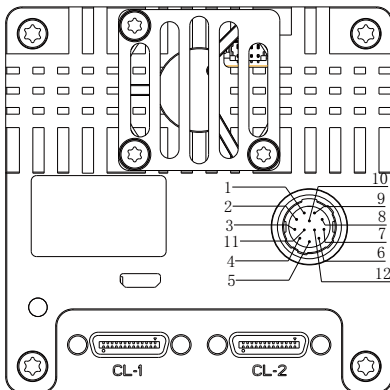


Quantum Efficiency Curve for Mono and Color Sensor

## 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	Line1	Opto-isolated input 1
6	Line2	Opto-isolated input 2
7	Line3	Opto-isolated input 3
8	OPT_IN_GND	Opto-isolated input ground
9	Line1	Opto-isolated output 1
10	Line2	Opto-isolated output 2
11	Line3	Opto-isolated output 3
12	OPT_OUT_GND	Opto-isolated output ground