AX7B96MG050/1E



- 1Gbps Ethernet interface , max 100m transmission
- 35mm global shutter CCD sensor
- Support multiple image data formats
- Software trigger/Hardware trigger/Free run mode
- Compatible with GigE Vision V2.0 protocol and GenICam standard

Specification

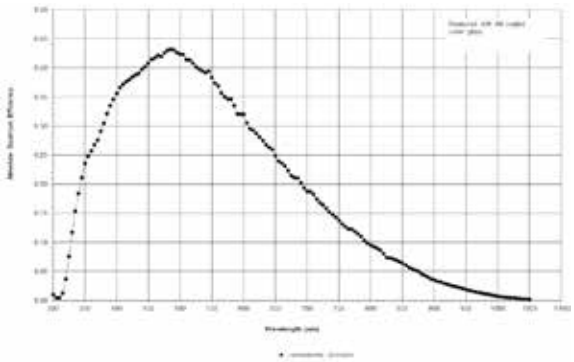
Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/ Color	Pixel size (μm)	Sensor size
AX7B96MG050/1E	KAI29050	CCD	Global	6576 x 4384	4	14	GigE	Mono	5.5x5.5	35mm

Model	AX7B96MG050/1E
Effective Pixels	29MP
SNR	>41dB
Dynamic Range	60dB
GPIO	12 pin Hirose: 3 Opto-isolated input, 3 Opto-isolated output, 1 RS232 serial port
Image Format	Mono8/10/10Packed
Binning	--
Gain	x1~x6
Gamma	Range from 0 to 4, support LUT
Exposure Time	30μS~1S
Trigger Mode	Software trigger/Hardware trigger/Free run mode
Image Buffer	336MB
User Setting	Support two sets of user-defined configurations
Dimensions	72mmx72mmx53mm(not including lens mount and rear case connector)
Weight	390g
Power Supply	DC power supply by Hirose connector , with voltage range from 14V to 24V
Power Consumption	24V≈13W
Lens Mount	M58 (FBL 12)
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C

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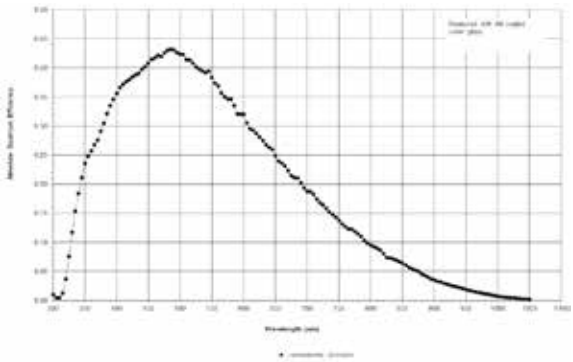
Spectrogram

AX7B96MG050E



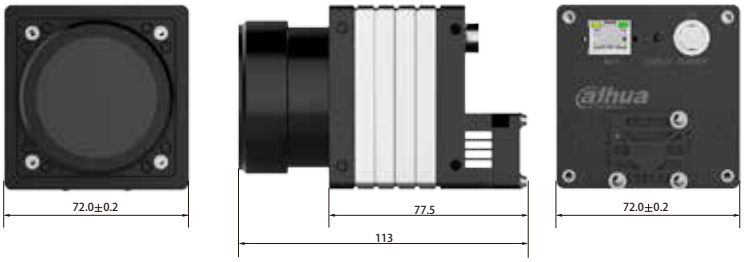
Quantum Efficiency Curve for Mono Sensor

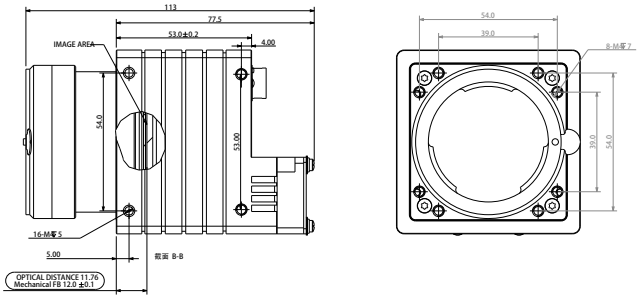
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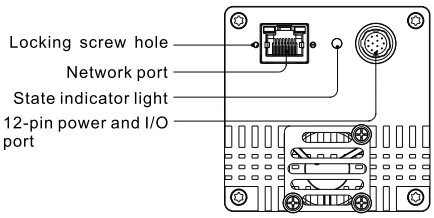
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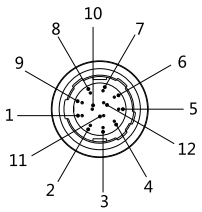
Dimensions





IO Interface Instruction





Pin	Signal	Description
1	Power Ground	Camera power ground
2	Power	Camera power
3	RXD RS232	Serial port reception
4	TXD RS232	Serial port transmission
5	OPT_IN1	Optocoupler input 1
6	OPT_IN2	Optocoupler input 2
7	OPT_IN3	Optocoupler input 3
8	OPT_IN_GND	Optocoupler input ground
9	OPT_OUT1	Optocoupler output 1
10	OPT_OUT2	Optocoupler output 2
11	OPT_OUT3	Optocoupler output 3
12	OPT_OUT_GND	Optocoupler output ground