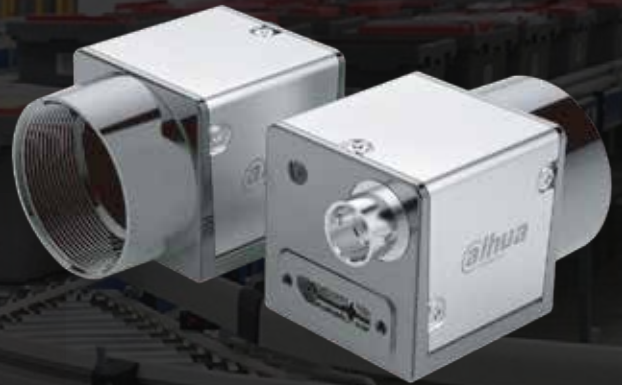


A7200MU001E

- High bandwidth USB3.0 interface
- 128MB on-board frame buffer
- Support multiple image data formats
- Conform to CE, FCC, RoHS certifications
- Software trigger/Hardware trigger/Free run mode
- Conforms to USB 3.0 vision protocol and GenICam standard



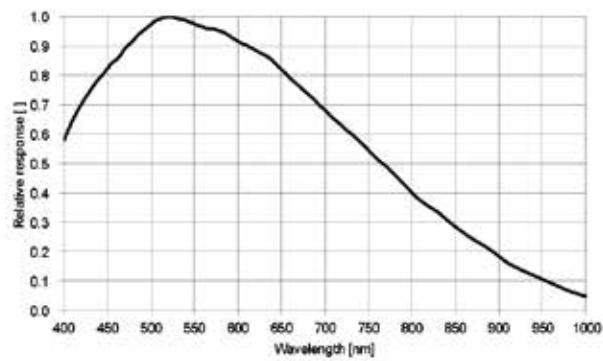
Specification

Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/Color	Pixel size (μ m)	Sensor size
A7200MU001E	IMX249	CMOS	Global	1920 x 1200	38.7	12	USB3.0	Mono	5.86 x 5.86	1/1.2"

Model	A7200MU001E
Effective Pixels	2.3MP
SNR	>38dB
Dynamic Range	70dB
GPIO	6 pin Hirose: 1 Opto-isolated input, 1 Opto-isolated output, 1 configurable input/output without opto isolation
Image Format	Mono8/10/10Packed
Binning	Support
Gain	X1~X32
Gamma	Range from 0 to 4, support LUT
Exposure Time	16μs~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	Power supply via USB connector / DC6V~26V via Hirose connector
Power Consumption	≈3.0W
Lens Mount	C
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C

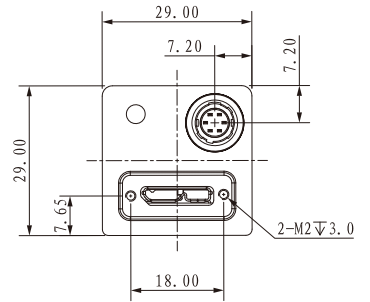
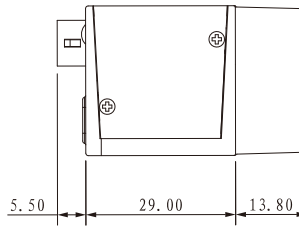
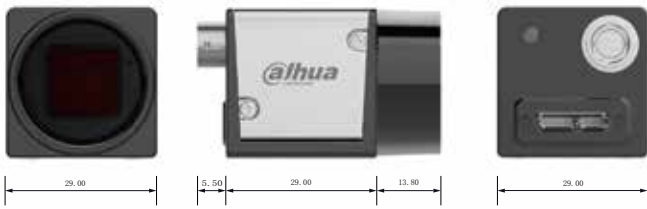
Spectrogram

A7200MU001E

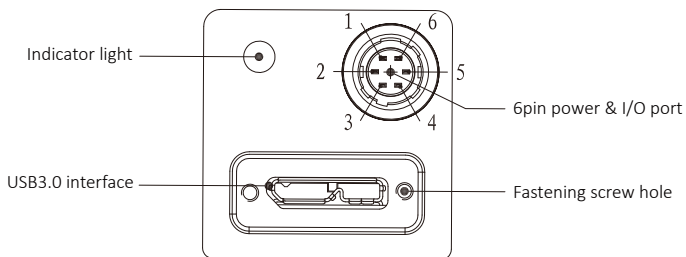


Quantum Efficiency Curve for Mono Sensor

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