

A7900MU200E

- 5Gbps 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



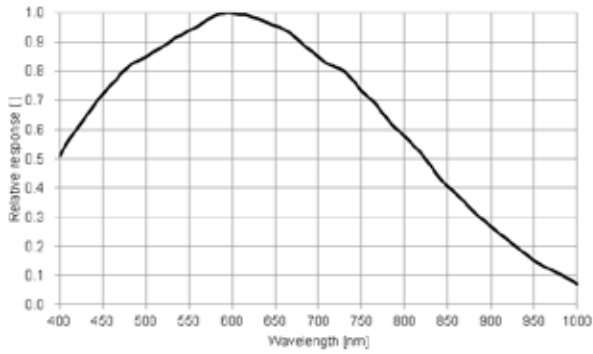
Specification

Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/Color	Pixel size (μm)	Sensor size
A7900MU200E	IMX255	CMOS	Global	4096x 2160	40	10	USB3.0	Mono	3.45 x 3.45	1"

Model	A7900MU200E
Effective Pixels	8.95MP
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	26μs~1S
Trigger Mode	Software trigger/Hardware trigger/Free run mode
Image Buffer	64MB
User Setting	Support two sets of user-defined configurations
Dimensions	29mmx44mmx57.5mm(not including lens mount and rear case connector)
Weight	91g
Power Supply	Power supply via USB connector /DC power supply by Hirose connector, with voltage range from 6V to 26V
Power Consumption	≈4.0W
Lens Mount	C
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C

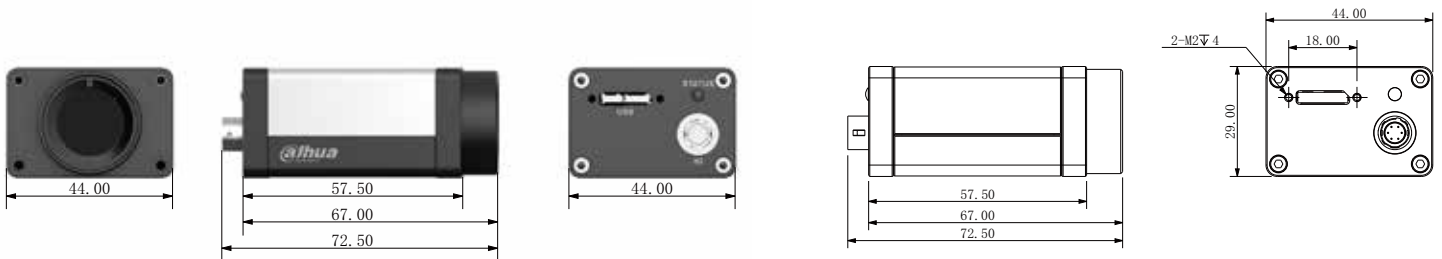
Spectrogram

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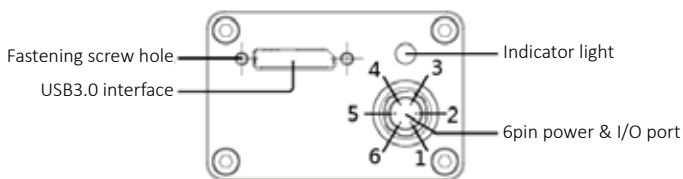


Quantum Efficiency Curve for Mono Sensor

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