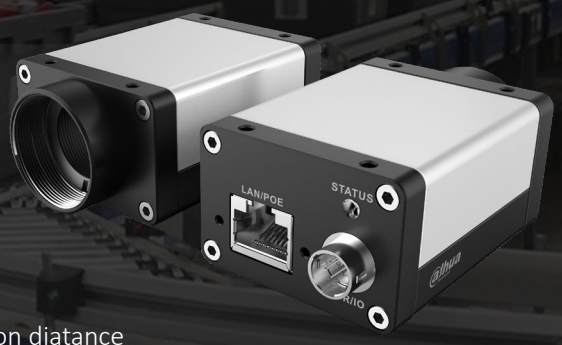
DH-MV-A7710M/CG200E



- 128MB on-board cache for data transmisson and image data resend
- Support Software Trigger/Hardware Trigger/Free Run Mode
- Support ISP functions including Sharpness/Denoising/Gamma/LUT/ BlackLevel Correction/TargetBrightness/Contrast etc
- Support multiple image format output/ROI/Binning/Mirror etc
- Conforms to GigE Vision V2.0 protocol and GenICam standard
- Conforms to CE,FCC,UL and RoHS certifications
- GigE interface provides 1Gbps bandwidth, with max 100m transmission diatance

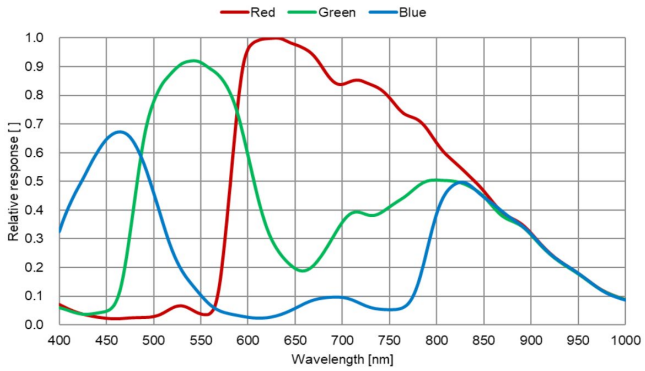
Specification

Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/ Color	Pixel size (μm)	Sensor size
DH-MV-A7710MG200E	IMX428	CMOS	Global	3208x2200	17	12	GigE,PoE	Mono	4.5x4.5	1.1"
DH-MV-A7710MG200E	IMX428	CMOS	Global	3208x2200	17	12	GigE,PoE	Color	4.5x4.5	1.1"

Model	DH-MV-A7710MG200E	DH-MV-A7710CG200E
Effective Pixels	7MP	
SNR	>38dB	
Dynamic Range	70dB	
GPIO	6 pin Hirose: 1 Opto-isolated input, 1 Opto-isolated output, 1 configurable non-isloated I/O	
Image Format	Mono8/10/10Packed/	Mono8, BayerGB8/10/10p, BayerRG8/10/10p, YUV422p
Binning	Support	--
Decimation	No	
ROI	Support	
Gain	X1~X32	
Gamma	Range from 0 to 4,support LUT	
Exposure Time	1μs~1s	
Trigger Mode	Software trigger/Hardware trigger/Free run mode	
Image Buffer	64MB	
User Setting	Support two sets of user-defined configurations	
SPC	Support	
FPN	No	
Dimensions	29mmx44mmx58mm(not including lens mount and rear case connector)	
Weight	100g	
Power Supply	POE/DC power supply by Hirose connector,with voltage range from 6V to 26V	
Power Consumption	12V≈3.2W	
Lens Mount	C-mount	
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C	

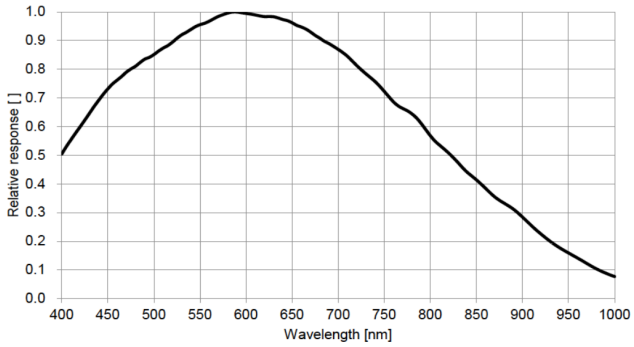
Spectrogram

A7710CG200E



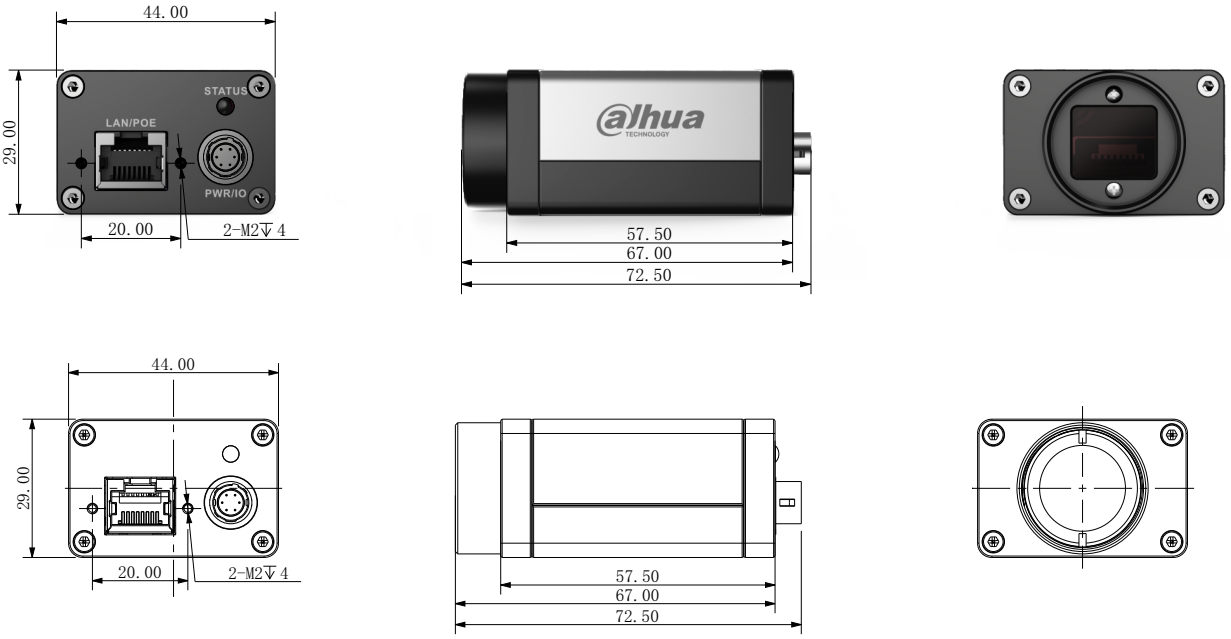
Quantum Efficiency Curve for Mono Sensor

A7710MG200E

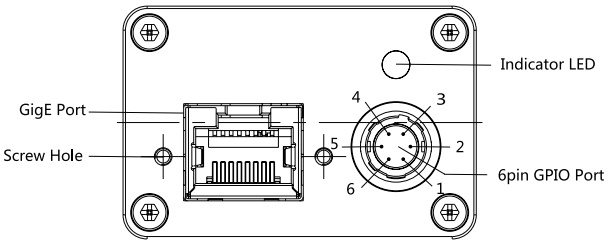


Quantum Efficiency Curve for Mono Sensor

Dimensions



IO Interface Instruction



Pin	Signal	Description
1	Power	DC +6V~26V
2	Line1	Opto-isolated Input
3	Line2	Configurable input/output
4	Line0	Opto-isolated Output
5	IO GND	Opto-isolated Ground
6	GND	DC Power Ground