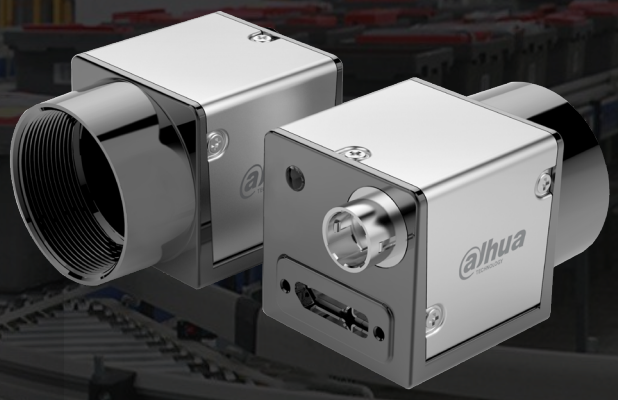
DH-MV-A3B00M/CU000E



- 5Gbps bandwidth USB3.0 interface
- 256MB 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

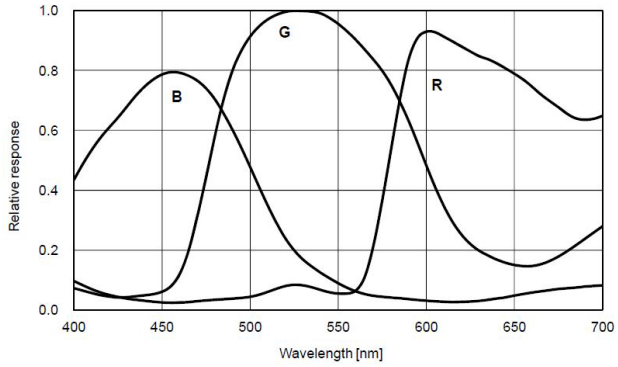
Specification

Model	Sensor	Sensor type	Shutter	Resolution	Frame rate (fps)	Bit depth	Interface	Mono/Color	Pixel size (μm)	Sensor size
DH-MV-A3B00MU000E	IMX183	CMOS	Rolling	5472x3648	19.66	10	USB3.0	Mono	2.4x2.4	1"
DH-MV-A3B00CU000E	IMX183	CMOS	Rolling	5472x3648	19.66	10	USB3.0	Color	2.4x2.4	1"

Model	DH-MV-A3B00MU000E	DH-MV-A3B00CU000E
Effective Pixels	20MP	
SNR	>38dB	
Dynamic Range	66dB	
GPIO	6 pin Hirose: 1 Opto-isolated input, 1 Opto-isolated output, 1 configurable input/output without opto isolation	
Image Format	Mono8/10/10Packed	BayerRG8/10/10Packed,BayerGB8/10/10Packed
Binning	Support	--
Gain	X1~X32	
Gamma	Range from 0 to 4,support LUT	
Exposure Time	53μs~1s	
Trigger Mode	Software trigger/Hardware trigger/Free run mode	
Image Buffer	128MB	
User Setting	Support two sets of user-defined configurations	
Dimensions	29mmx29mmx29mm(not including lens mount and rear case connector)	
Weight	68g	
Power Supply	Power supply via USB connector /DC power supply by Hirose connector,with voltage range from 6V to 24V	
Power Consumption	12V≈3.2W	
Lens Mount	C	
Temperature	Storage temperature:-30° C~ + 80° C; Operation temperature:-30° C~+50° C	

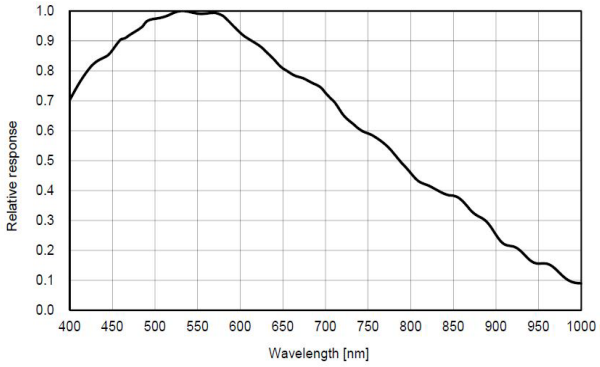
Spectrogram

A3B00CU000E



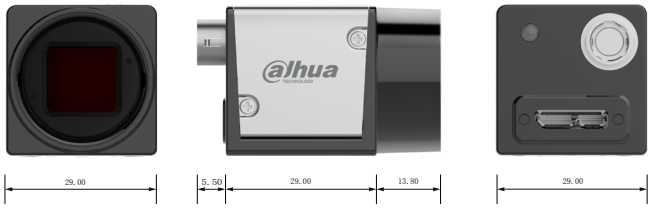
Quantum Efficiency Curve for Mono and Color

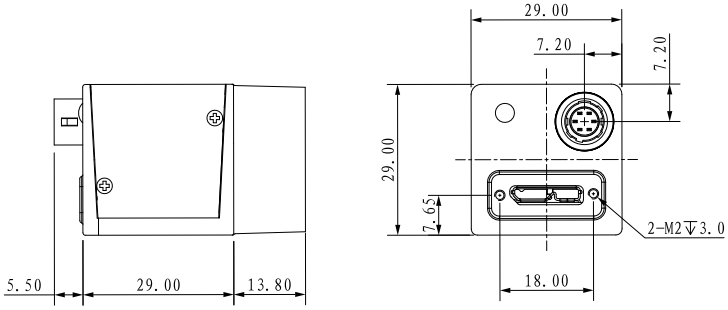
A3B00MU000E



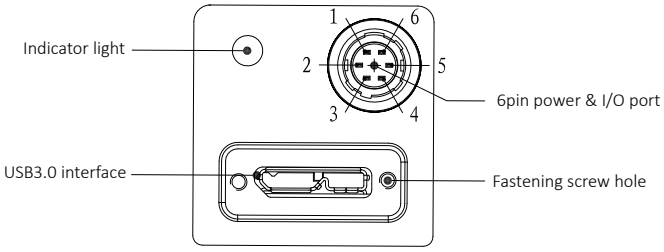
Quantum Efficiency Curve for Mono Sensor

Dimensions





IO Interface Instruction



Pin	Signal	Description
1	Power	DC 6V-24V 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