

A Series

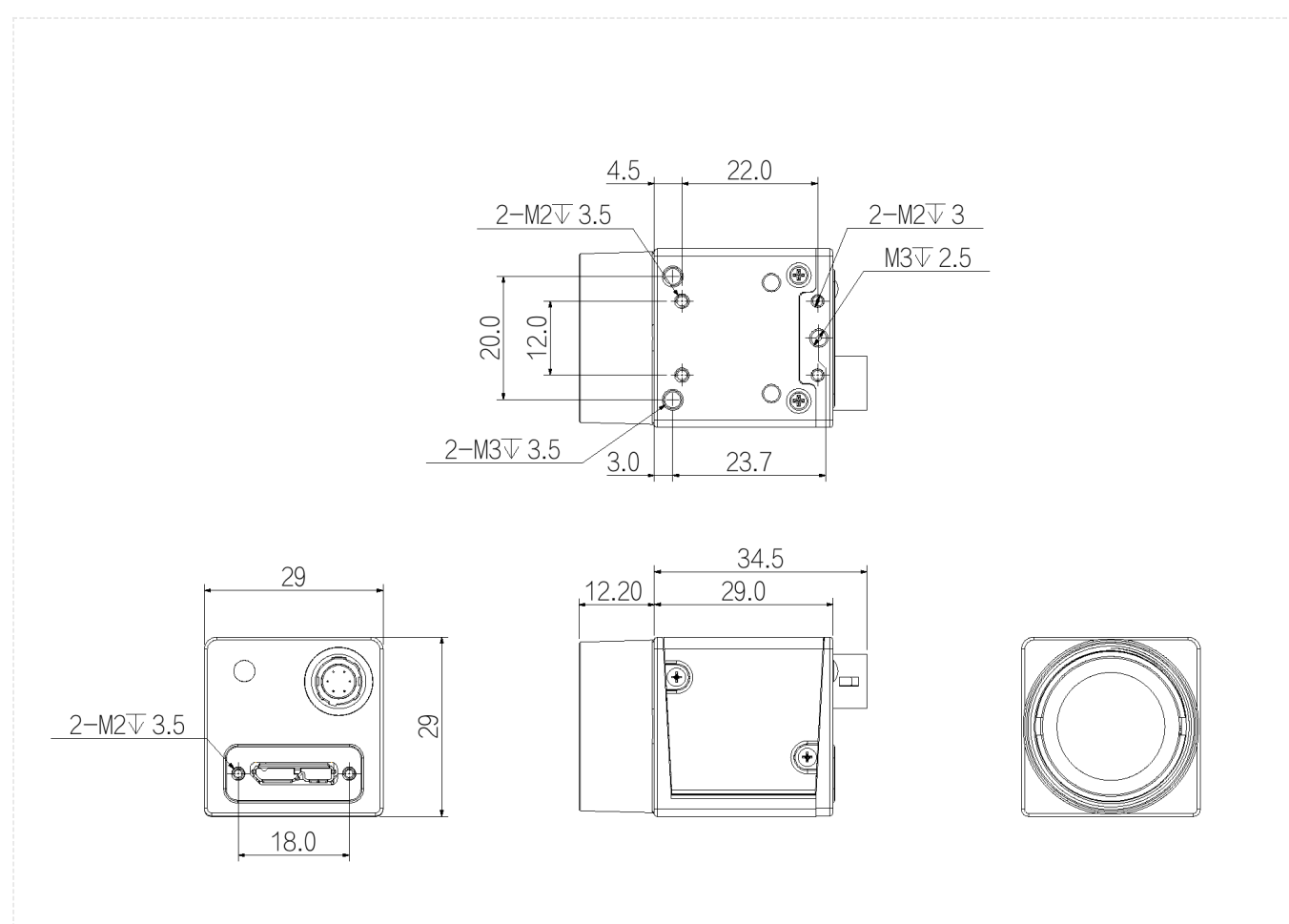
A3138MU000E



Features

- USB3.0 interface, 5Gbps theoretical transfer bandwidth, power supply via USB interface ;
- Compact size of 29mmx29mmx29mm;
- 128MB on-board cache for data transmission or image resend;
- Support Software Trigger/Hardware Trigger/Free Run Mode;
- Support ISP functions including Sharpness/Denoising/Gamma/LUT/BlackLevel Correction/TargetBrightness etc.;
- Support multiple image data formats output/ ROI/Binning/Mirror, etc. ;
- Compatible with USB3.0 Vision protocol and GenICam standard;
- Comform to CE, FCC, RoHS;

Dimensions (mm)



Specification

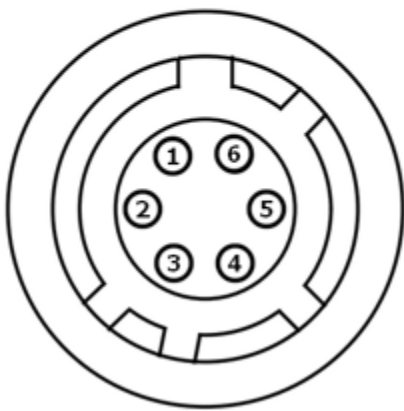
Model		A3138MU000E
Basic	Sensor	SS
	Image Sensor	1/2.7"CMOS
	Shutter	Global
	Resolution	1280 × 1024
	Frame Rate	201 fps
	Bit Depth	10
	Mono/Color	Mono
	Pixel Size	4.0 μm × 4.0 μm
Image	Pixel	1.3MP
	S/N Ratio	40dB
	Dynamic Range	60dB
	Image Format	Mono8/10/10Packed
	Binning	Support
	ROI	Support
	Gain	1~32
	Gamma	From 0 to 4 , support LUT
	Exposure Time	10μS~1S
	Trigger Mode	Software Trigger/Hardware Trigger/Free Run Mode
	SPC	Support
Performance	User Setting	Support two sets of user-defined configurations
	Image Buffer	64MB
Port	Port	USB3.0
	GPIO Interface	6 pin Hirose: 1x Opto-isolated input, 1x Opto-isolated output, 1 configurable input and output
	Lens Mount	C
Power	Power Supply	Power supply via USB connector /DC power supply by Hirose connector, with voltage range from 9V to 24V
	Power Consumption	≈2.8W
Structure	Product Dimensions	29mm×29mm×29mm
	Net Weight	68 g
Environment	Storage Temperature	-30℃~+80℃
	Operating Temperature	-30℃~+50℃

Connector Pin-out

Definitions of camera 6-pin ports:

Pin	Description	Features
1	-	+9VDC to 24VDC power supply
2	Line1	Opto-isolated input
3	Line2	GPIO (I/O can be configured for non-isolated software) ¹
4	Lineo	Opto-isolated output
5	-	Opto-isolated signal ground (ISO_GND)
6	-	Camera DC power ground and GPIO signal ground (GND)

Definition of 6-pin power port



Spectrogram

