

A Series

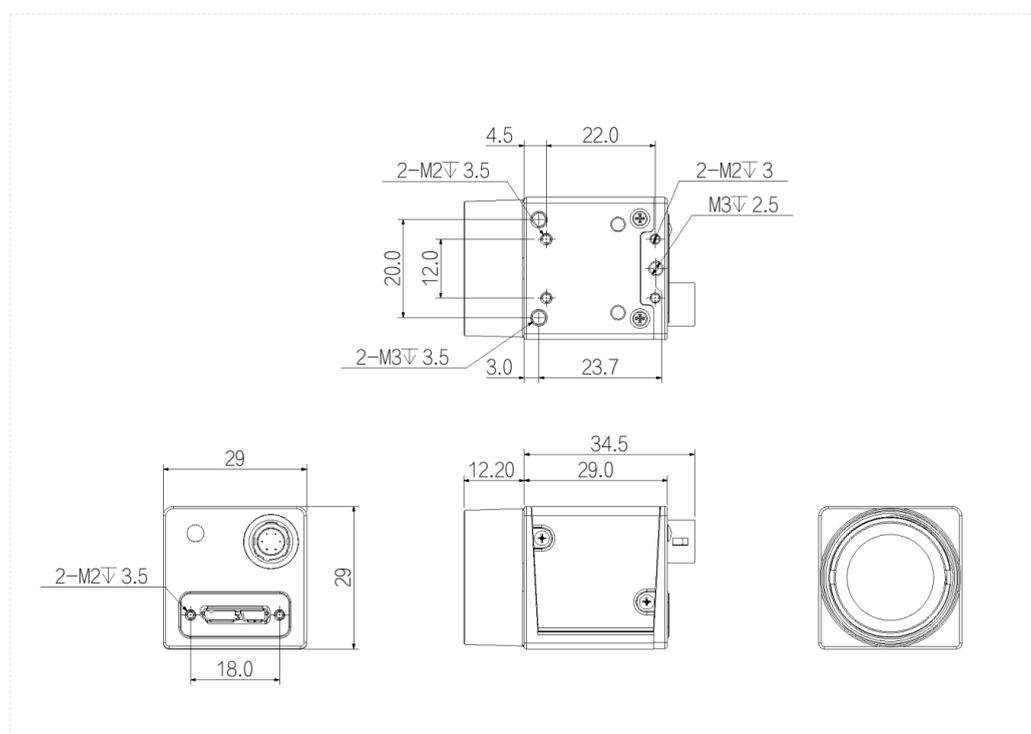
A3504CU000E



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.;
- Color cameras support interpolation, white balance, chroma, saturation, etc. ;
- Support multiple image data formats output/ROI/Mirror, etc. ;
- Compatible with USB3.0 Vision protocol and GenICam standard;
- Comform to CE, FCC, RoHS;

Dimensions (mm)



Specification

	Model	A3504CU000E
Basic	Sensor	AR0521
	Image Sensor	1/2.5"CMOS
	Shutter	Global
	Resolution	2592 × 1944
	Frame Rate	48 fps
	Bit Depth	12
	Mono/Color	Color
	Pixel Size	2.2 μm × 2.2 μm
Image	Pixel	5 MP
	S/N Ratio	> 38 dB
	WDR	63 dB
	Image Format	BayerRG8/10/10Packed;BayerGB8/10/10Packed
	ROI	Support
	X Flip	Support
	Y Flip	Support
	Gain	1~32
	White Balance	Support
	Gamma	Range from 0 to 4, support LUT
	Exposure Time	11μS~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	USB 3.0
	GPIO Interface	6 pin Hirose: 1 Opto-isolated input, 1 Opto-isolated output, 1 configurable input/output without opto isolation
	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	≈2.4W
Structure	Product Dimensions	29 mm×29 mm×29 mm(not including rear case connector)
	Net Weight	68 g
Environment	Storage Temperature	-30° C~ + 80° C
	Operating Temperature	-30° C~+50° C

Spectrogram

