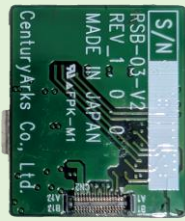


4K3K(12Mp) AF&OIS Camera Module I/F Board Lineup



【CA378-AOIS-V2】



【I/F Board for camera】



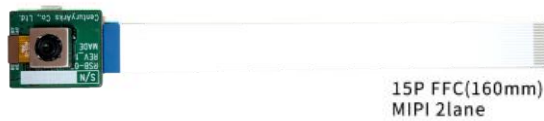
【15Pin FFC】



【I/F Board for Jetson】

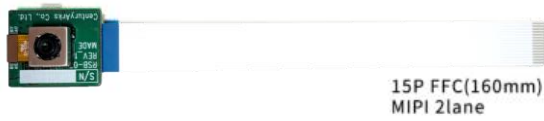


【USB3 I/F Board】



【Raspberry Pi 3 Model B】

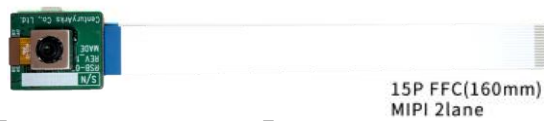
VGA(640×480) 20~30fps



【Raspberry Pi 4 Model B】

4K3K(4056×3040) 10fps

- (2028×1520) 40fps 2×2binning
- (2028×1080) 50fps



【Jetson nano】

4K3K(4032×3040) 20fps
4K2K(3840×2160) 30fps
FHD(1920×1080) 120fps



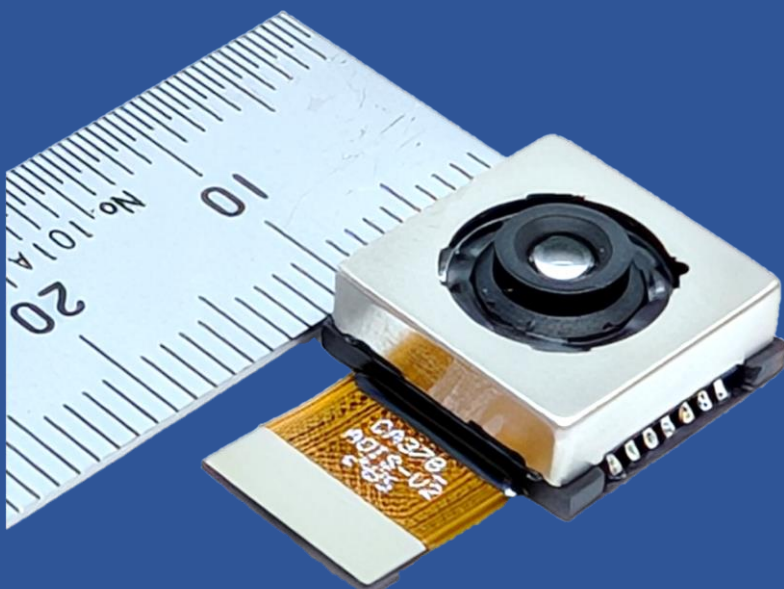
【Jetson TX2 Develop Kit】
Jetpack3.2 & 4.2

4K 30fps(max)
6cameras



【PC (windows)】
4K 12fps(max)
FHD 48fps(max)

【CA378-AOIS-V2】



- ◆ 1/2.3"(pixel size 1.55μm)
- ◆ 12.3M effective pixels SONY IMX378 image sensor
- ◆ Full resolution 4K@60fps
- ◆ SBC connection evaluation board & sample program
- ◆ 13.1(W)x12.5(D)x5.95(H) (mm)

Summary of Specifications		CA378-AOIS-V2	
Image sensor	All pixel scan CMOS image sensor		
	Image size	Type 1/2.3 (Diagonal 7.857mm)	
	Module effective pixels	4056 (H) x 3040 (V) 12.33M pixels	
Lens	Lens construction	5 Lenses	
	Focal length	4.266mm (35mm equivalent: 23mm)	
	F value	1.8	
	Angle of view (INF position)	Horizontal/Vertical/Diagonal	68.19° / 51.06° / 85.18°
	Focus range	100mm to infinity with auto focus (Resolution is not guaranteed for all focus range.)	
Focus control	Feedback control VCM linear motor		
OIS	PWM control OIS		
Output	MIPI CSI-2 (4 lane) RAW Data 12/10/8 COMP8 output		
	Frame rate	Capture mode (all images)	Max. 60 frame/sec.
		4K2K movie (16:9)	Max. 60 frame/sec.
		Full HD movie (16:9)	Max. 240 frame/sec.
I/O	Image signal	MIPI CSI2 2/4 lane	
	Control signal	I2C interface for image sensor and AF/OIS driver	
	Number of terminals	34 pins	
others	Power supply	Image sensor (analog)	2.8 ± 0.1 V
		Image sensor (digital)	1.05 ± 0.1 V
		I/O	1.8 ± 0.1 V
		Actuator	2.8 ± 0.1 V
	Operating temperature	T operation	-10 ~ +55 °C
	Storage temperature	T storage	-30 ~ +75 °C
	Recommended operating temperature	T specification	0 ~ +45 °C
	Package dimensions (All)	13.1mm (W) x 21.00mm (D) x 5.95mm (H)	
Package dimensions (Module)	13.1mm (W) x 12.5mm (D) x 5.95mm (H) (Camera head block /without tolerance)		

[Camera module manufacturing base]

High quality manufacturing by
our group companies

(Established in 2006, Ho Chi Minh City, Vietnam)



We also accept consultations regarding solutions
that utilize cameras.

Our camera modules and system products are used in a wide range of applications in a variety of environments.
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