



IADIY SC2310 Mipi Camera Module | ECAL012MC



Overviews

The IADIY SC2310 MIPI camera module (ECAL012MC) is the default camera included in the IADIY Low-cost AI SoC Project ECAIKL01 and comes with the ECBL01 project edition board. Together, they provide reliable image capture for AI vision applications, making it a seamless solution for deploying intelligent edge systems.

Main Features

- 2 megapixels still resolution, 1920 x 1080/30fps video mode
- 90 degrees diagonal FOV, 75 degrees horizontal FOV, 63 degrees vertical FOV
- Fixed focus

Certificates





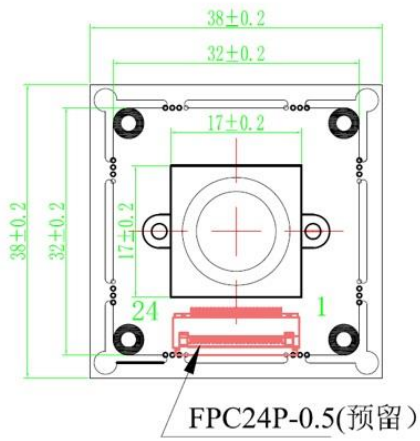
Specifications

SC2310 CMOS Sensor	
Model	ECAL012MC
Sensor	SC2310
Image Size	1/2.7 inch
Pixel Size	3.0 μm
Image Area	5796 μm x 3276 μm
Pixel Array	1932(H) x 1092(V)
Frame Rate	1920(H) x 1080(V) @30fps
Output Formats	8/10-bit RGB RAW
CRA	12°
Max S/N Ratio	43dB
Dynamic Range	100dB
Sensitivity	4800mV/lux-sec
Shutter Type	Electronic rolling shutter
Lens Parameters	Standard: FOV(H)75°, Focus Fixed
Lens Holder	Standard M12 lens holder
Power Supply	External Input
Operating Voltage	DC 1.5V / 1.8V / 2.8V
Operating Temperature	-30 ~ 85°C
Stable Image Temperature	-20 ~ 60°C
Operating System Request	Embedded Linux Driver
Camera Board	
Size	38.0mm x 38.0mm
Connector Type	29Pin 0.5Pitch FPC Connector

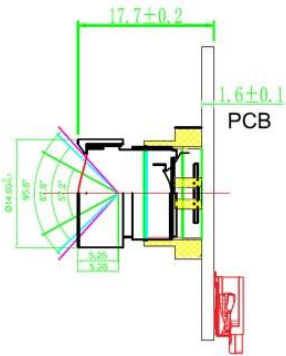
Specifications are subject to change without notice.



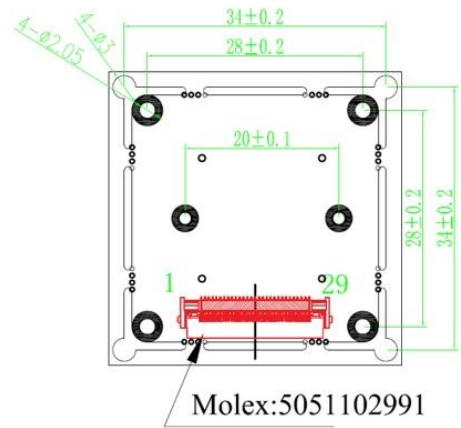
Technical Drawings



TOP VIEW



SIDE VIEW



BOTTOM VIEW

Unit mm