PICAM-IMX219-FOV90

Description

PICAM-IMX219-FOV90

PICAM-IMX219-FOV90 is a low-cost 8 megapixel Camera Module with M12 FOV 90 Degree Camera Lens(Camera Len replaced accordingly), Sony IMX219 image sensor, Plug And Play,support:

- Pi4/ PI3B+/ PI3/ PI2/ PI B+/ PI A/ PI ZERO/ CM4/ CM3+/ CM3/ Jetson Nano
- M12 LENS SEAT(Default) / M16 LENS SEAT（Options) / CS LENS SEAT（Options）
- FOV90 (Default) ,FOV160（Options）,FOV75 No Distortion （Options）
- CS LENS SEAT （Options）,6MM CS LENS （Options）,16MM CS LENS （Options）
- **Support raspistill, raspivid and raspiyuv command line**

Sensor：

- Sony IMX219,8 megapixel
- CCD size : 1/4inch
- Static Images：3280 x 2464 pixel
- Support 1080p@30fps, 720p@60fps and 640x480p@90fps video record
- Board Size：32mm*32mm Or 39mm*39mm
- **Support** raspistill, raspivid and raspiyuv command line

Camera Lens：

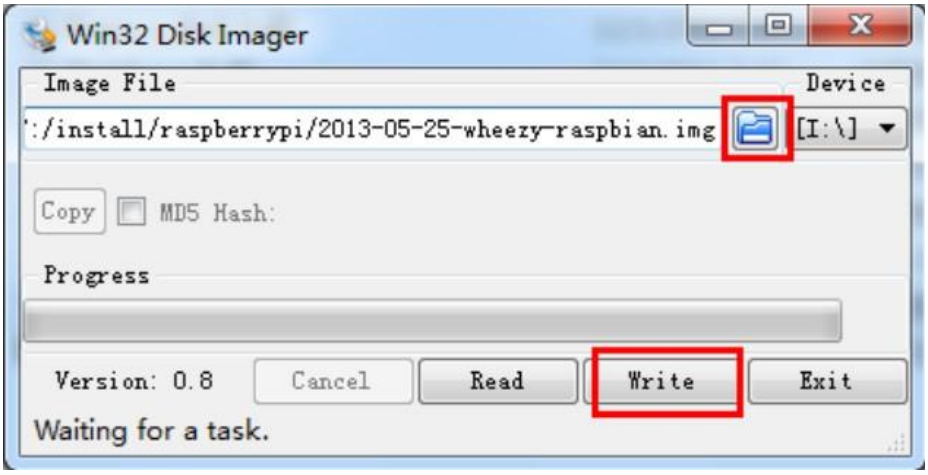
- Lens Seat Spacing：20mm,M12,Support M16 Or CS Lens
- Angle of View: 90° ,Options For 160° fished-eye,75° No distortion,CS Camera Lens.
- Focal Length: 2.8mm,Aperture (F) :2.2,IR:4G+IR

Packing List:

Sensor ModuleX1,FPC CABLEX1,90 Degree CAMERA LENSX1

1,Creat System Card

1) Download the latest Raspbian from （http://www.raspberrypi.org/） or Jetson Nano Ubuntu （https://developer.nvidia.com/embedded/downloads）
2) Format your TF card by using SDFormatter.exe ;
3) Write the latest system image by using Win32DiskImager.exe



2, Camera For Raspberry PI

2.1 Enable Camera

Step1,Enable camera by open Terminal : sudo raspi-config
Enable support for Raspberry Pi camera?
Select：Enable
Would you like to reboot now?
Select：Yes

2.2, Take Photo

Take Photo: raspistill -o image.jpg

The display should show a 5-second preview from the camera and then take a picture, saved to the file test.jpg, while displaying various informational messages.

2.3 Take Videos

Step2,Take Video:raspivid -o video.h264 -t 10000

-t 10000 Means VIDEO time of 10 seconds.

2.4 Reference

For camera library files, please refer to：

Shell

http://www.raspberrypi.org/documentation/usage/camera/raspicam/README.md

Python

https://www.raspberrypi.org/documentation/usage/camera/python/README.md

More details：

http://www.raspberrypi.org/camera