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Aim: Understanding and connectivity of.
Raspberrypi Beagle board with comera.
Corite an application to capture and
Store the images.

Theory:

Raspberry Pi comera Module V2 replaced the original camera module in April 2016. The V2 comera module has a sony INX2198onp Sensor. The cornera module can be used to take high Definations Video & paragraphs. Its easy to use for beginers. but has plenty to ofter advanced userit. your'se looking to expand your knowlege We can use the libraries we buindle with Cornera to create effects It's leaps forward in image quelity, colors tidelity, and low -light pertermance, It supports 1080p30. 72 0000 and VGAgo vido modes as wellow Still captures. It attaches viaia 15 cm ribbon cables to the CSI port on the Raspberry pi. The comera works with all models of Raspberry pi. .

Pi camera:

Open Raspberry pi, configurations & enable
the cemera.

Camera preview:

from picamera import pi camera,
from time import sleep.

Camera = picamera ()

Camera . start - preview ()

Sleep (10)

Camera . stop - preview ()

Rotating. the camera.

Camera. rotation = 180

Cornera. Start _ preview()

Steep(10)

Comera. Stop. preview()

Starting the Image.

From picamera import picamera

From time import sleep.

Camera = pi camera()

Camera. Start = preview()

Steep (10)

Camera. Capture ('/home /pi/pesk top

Camera stop preview.

Recording the video

from Pi camera import pi camera

from time import Sleep.

camera = pi cemera.

Camera . Start - preview ()

Camera . Start - recording ('Ihome (pi/
Video. h 264')

Sleep (10). Camera. Stop- preview ().

Converting and playing wide video.

The video format need to get converted to mp4

So install gpac.

Sudo opt-get install gpac.

Now converted the video to mp4.

MP4 Box - FPS Bo - add video. F264 videomps

Conclusion -> Thus, we have Steedied,

promera and also stored.

the images and videos using

promera.