Experiment No-05

Page No.
Date

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Beagle board with camera write on application to capture and store the image.

Theory: Raspherry Pi Camera module V2 replaced the original camera module in April 2016, the V2 comera module has a sony TNX219.8-mp Sensor . The camera module can be used to take high definition video and photographs. Its easy to use for begineers, but has plenty to offer advand users if you're looking to expand your knowledge we can we the libraries we bundle with comera to careate effects tos leap Forward in image equal quality color Fidelity and low light postormance It support 1080 P30 Trup 60 and VGA90 video model as well as Still captures. It attaches via a 15 cm sibbon cable to the CSI port on the Roupherry Pi The comera works with all models of Raspherry Pi It can be accessed through

MMAL and VALAPIS and these one numerous

third -party libraris built for it including
the Pi Camera Python Library.

Pi camera
open Rospherry Pi configuration and enable

the camera.

Camera Previews

from picamera import Pi(comera)

from time import sleep

camera = Pi@comerac)

camera · Start - previews)

steep (10)

camera stop - previews)

Camera rotation = 180 camera stort = preview() sleep (10) camera stop - preview()

Storing the image

from picamera import Picamera

from time import Sleep

camera = Pi Camera ()

Camera - Start - preview()

Sleep (10)

Camera - capture ('I home (pil Deskhop) Image

camera Stop- preview()

Recording the video

from pl camera import Pi camera

mom time import sleep

camera a Pi Compra

· h2641)

So install apal

using Picamera.

Sleep (10)

MPY

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