Procedures to display FLIR and USB webcam video on remote PC

ECE4012-L4B-MW1: Sailboat

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Hardware:

Raspberry Pi Gen2, model B

FLIR LEPTON® Long Wave Infrared (LWIR) camera module

Sparkfun FLiR Dev Kit

Setup Procedure:

1. Follow the tutorial from Sparkfun electronics to get the camera wired and sample code running

<https://learn.sparkfun.com/tutorials/flir-lepton-hookup-guide?_ga=1.55830379.192337169.1430806470>

1. Follow the tutorial on how to configure USB webcam on Raspberry Pi

<https://www.raspberrypi.org/documentation/usage/webcams/>

1. Installl xrdp remote desktop

https://www.jeremymorgan.com/tutorials/raspberry-pi/how-to-remote-desktop-raspberry-pi/

1. You can use Advanced IP Scanner to get IP of Raspberry Pi

<http://www.advanced-ip-scanner.com/?utm_expid=62919999-20._cHMXBX2SFul7hotDoAX2A.0>

or

get the IP address using admin config website of the wireless router(easier)