Girls Who Build Cameras

RASPBERRY PI ASSEMBLY

Getting Started

Camera Code

Code: [https://github.com/kristenrailey/GWB](https://github.com/kristenrailey/GWB)
GWB_take_picture.py
Takes picture with button, displays current image on LCD screen, shuts down button

Access pi from your terminal
ssh pi@192.168.0.110
ssh pi@raspberrypi.local

For microsoft remote desktop
First on the pi: $ sudo apt-get install xrdp
Install microsoft remote desktop on computer

Setting up microsoft remote desktop:
raspberry.local

![Remote Desktop Configuration](image)
LCD Screen set-up

Pi Camera Set-up

$ sudo apt-get install python-picamera
$ sudo raspi-config
  Turn on camera
  (R/L keyboard)


Camera settings to play with:
camera.brightness
camera.contrast

camera.image_effect
  none, negative, solarize, sketch, denoise, emboss, oilpaint, hatch, gpen, pastel,
  watercolor, film, blur, saturation, colorswap, washedout, posterise, colorpoint,
  colorbalance, cartoon, deinterlace1, and deinterlace2
Resource: Girls Who Build Cameras
Kristen Railey, Bob Schulein, Olivia Glennon, Leslie Watkins, Alex Lorman, Carol Carveth, and Sara James

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