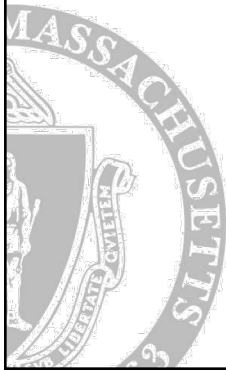


UMassAmherst

Raspberry Pi

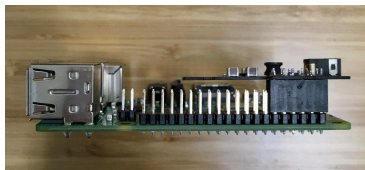
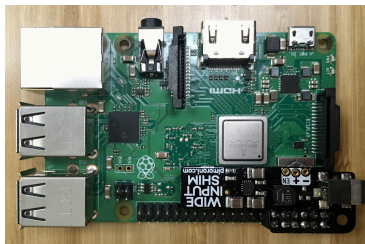
October 1, 2019



Laboratory for Perceptual Robotics – College of Information and Computer Sciences

UMassAmherst

Raspberry Pi 3 Model B+



IMPORTANT USE & CARE INFO

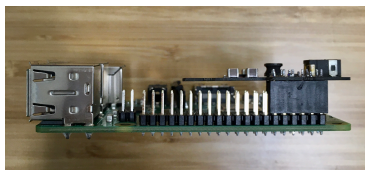
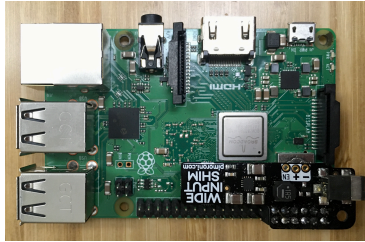
- Interact with your Pi via ssh
 - Requires direct connection to CICS network OR through edlab account
 - If you have neither, contact Tiffany
- Power your Pi using the 5V power adapter included in team kit **XOR** using the battery via Wide Input Power Shim (**NEVER BOTH!**)
 - For Project #2, only use 5V power adapter to power Pi
 - For subsequent projects, use 5V power adapter to power Pi while building unless necessary to run on battery
 - Note orientation of power shim connection to Pi (your Pi comes with shim properly connected in your kit)

Laboratory for Perceptual Robotics – College of Information and Computer Sciences

2

UMassAmherst

Raspberry Pi 3 Model B+

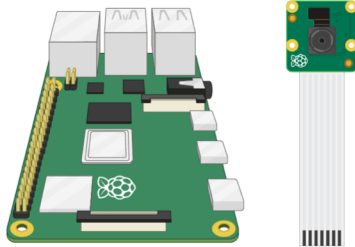


IMPORTANT USE & CARE INFO

- Always do graceful shutdowns to avoid SD card corruption
 - `sudo shutdown 0`
 - Unplug power source (5V adapter or battery) only after Pi shows signs of successful shutdown
- Do not leave Pi connected to power overnight/not in use
- Only install necessary libraries (8GB SD card)
- Never place your Pi on conductive surfaces

UMassAmherst

Raspberry Pi Camera v2



- Only connect/disconnect camera module to/from Pi when Pi is powered down
- As with Pi, camera should never come in contact with conductive surfaces
- Follow online tutorial/Project #2 handout to learn how to properly connect/disconnect camera module to/from Pi

