

How to Access:

Type <http://129.82.224.247:8081/> into any browser on a computer connected to CSU's network and the feed should come up.

How to setup live feed:

The software used on the raspberry pi to livestream the camera feed is motion. The steps below detail how to configure the raspberry pi to stream the feed after being powered off, or if the stream stops working for whatever reason.

1. Turn on raspberry pi with the switch in line with the power cord
2. Wait for boot process to complete, then type "startx" in the command line to open desktop
3. Once in, open VLC media player from the desktop
4. Select "Media" then "Open Capture Device" and for Video device name, select "/dev/video0"
 - a. After a few seconds, the camera feed should be displayed on screen, then continue to 5a, or:
 - b. If the camera feed is not displayed or video0 is not an option, check video1. If the camera feed is still not displayed, then replug the usb for the camera and check again. If the camera feed is displayed on anything other than video0, continue to 5b.
5. Close VLC media player and open the command console from the task bar at the top of the screen and:
 - a. Enter in the command line "sudo service motion restart", then enter "sudo motion" after.
 - b. Enter in the command line "sudo nano /etc/motion/motion.conf". Press Ctrl+w to open the search function and type "videodevice" and press enter. Replace the address with the correct one found in VLC. Press Ctrl+x, then y, then enter to close the file and save the changes. Continue to 5a, then proceed to 6
6. Verify the stream is working by typing "<http://129.82.224.247:8081/>" into the browser on the raspberry pi, then test the same address on a different computer connected to CSU's network.