

# Driver Vision Documentation

Team 4145

## Setup

1. Open Driver Station from desktop icon or start menu
2. Set the camera selection to “No Camera Selected” on the dashboard
3. Open “stream.html” from desktop icon or Chrome bookmark bar
4. Move the Chrome window to second monitor and make full-screen

## Commands

- The drive camera can be reversed by pressing button 3
- The gyro PID turn can be enabled by holding button 7
  - The vision camera marks the desired target with a red crosshair
  - When the crosshair is present, the robot will attempt to turn towards the target
  - If there is no red crosshair, then the robot will not turn

## Troubleshooting

- If the vision stream is frozen or not present, refresh the Chrome window
- If the gyro PID turning is not working, tell Mark and/or Phillip what the exact issue is (e.g. overshooting, undershooting, oscillating, chattering, etc.)
- If the camera switching is not working, tell Mark and/or Phillip