**DEVICES:**

**1)**

5.8Ghz 600mW FPV transmitter and receiver are seen suitable for our project. Only question is, are they supposed to work indoor? But it most probably could work indoor as well because 600mW transmitter gives 1-2 km range in the open area. It has different channels so that the video cannot be mixed with others broadcast.

This is transmitter and receiver kit is about $25 at [aliexpress link](https://tr.aliexpress.com/item/FPV-5-8Ghz-600mW-TS5828-or-TS832-Transmitter-48CH-RC832-plus-Receiver-With-A-V-and/32813251539.html?albbt=Google_7_search&isdl=y&slnk=&src=google&acnt=479-062-3723&crea=64152518596&aff_platform=google&netw=g&plac=&al).

**2) OMNI WHEEL**

We can use omniwheel for our robot to be able to capable for moving all directions. There is some example video and brief introduction below about omniwheel and also a detailed article is attached into the TROY-TECH\Searches folder. There may be some issues by using omniwheel; it increases expenses directly and omni wheels are not cheap. We also should handle controlling them, maybe with a feedback control system.

1st video : <https://www.youtube.com/watch?v=_tmiu1wpp_E>

2nd video : <https://www.youtube.com/watch?v=H29PEOTDFA4>