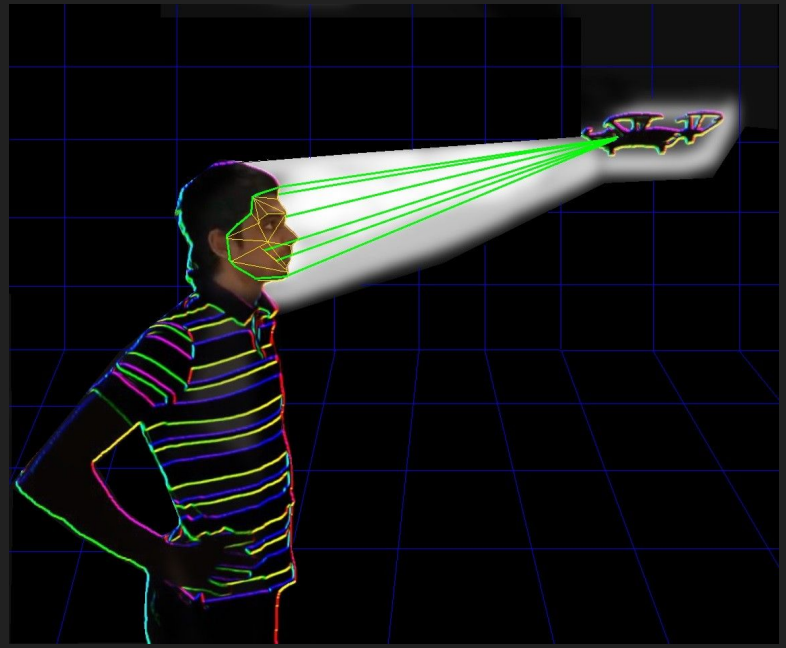
Face tracking in Drone

Using Python and openCV

Face tracking

control a Tello drone to track and follow a human face using computer vision techniques



Raspberry pi

The Raspberry Pi is a very cheap computer that runs Linux, but it also provides a set of GPIO (general purpose input/output) pins, allowing you to control electronic components for physical computing and explore the Internet of Things (IoT).

The Raspberry Pi can open opportunities for you to create your own home automation projects, which is popular among people in the open source community because it puts you in control, rather than using a proprietary closed system.

Applications of Raspberry Pi

- Education: As it is accessible and low-cost, it is widely deployed in educational settings, robotics, and electronics.
- Home Automation: Integrating sensors and other electronics, the Raspberry Pi can create a fully automated and intelligent home system.
- Media Centers: Raspberry Pi can assemble media centers that stream movies and music from remote locations and local storage.
- Internet of Things (IoT): The Raspberry Pi is a valuable tool for creating IoT devices that collect and transmit data from connected devices and sensors.
- Gaming: The Raspberry Pie can be utilized to build gaming consoles, granting users access to classic titles from the 80s and 90s.
- Drone : A Raspberry Pi can enable a drone to have significant computing power on board. This extra capability can allow you to interface with the drone using Python while the UAV is flying.