DIY Wunderwaffe And Others Make Up This Open-Source Arsenal | Hackaday

All of the projects are fantastic, but we chose to highlight the Wunderwaffe DG-2 from COD: Zombies because, well, vacuum tubes. For those unfamiliar with the ?waffe?s operation, those vacuum tubes act as ammo magazines. Once they?re empty, you power them down with that big red switch and eject them one at a time with the lever, just like in the game.

Inside is a Feather M0 Express that runs the RGB LEDs and uses a Hall effect sensor to read magnets in the quick-change ammo magazine. You can see how it works in the demo video after the break.
There are BOMs for several of the prop weapons, along with assembly drawings and support forums for anyone who wants to build their own. Don’t feel like gathering all the bits and bobs yourself? [Andrew] is selling hardware packs for the ray gun, but you’ll have to scrounge the parts yourself if you want to build the Wunderwaffle.

*Dash (Plotly) and Raspberry PI: Publish your Python Script on Web Pages*[3]

Python has a great spreading in science because of its powerful modules to manage numbers and graph them. In some cases you may need to show these graphs outside of your Raspberry PI, without remoting your desktop or with a headless installation. Publishing Python results on web pages is achievable with Dash on Raspberry PI

In this post, I’m going to show you how to install and use Dash on Raspberry PI.

Dash is an open source python library to build and deploy data applications from a number of languages, the most common being python. It is based on Flask, but also uses Plotly to better manage graphical paths on web pages viewable from a remote computer or a mobile using a common web browser.

*TechMinds: Testing DragonOS Focal, a Linux ISO with many SDR programs built-in*[4]

In the past we’ve posted many times about DragonOS which is an Ubuntu Linux image that comes preinstalled with multiple SDR software packages. This takes the hassle out of needing to compile and install programs on Linux, some of which can often be very difficult and time consuming to get up and running. Aaron who is the creator of DragonOS also runs a YouTube channel where he provides multiple tutorials and demos of the software installed.

*This Robot Can’t Keep Its Eyes Off The Money | Hackaday*[5]

Some say there’s no treasure quite as valuable as the almighty dollar. [Norbert Zare] likes alt-rock soundtracks on Youtube videos and robots obsessed with money, so set about building the latter.

The project is fundamentally a simple one. A Raspberry Pi 3B+ is outfitted with a Pi Camera, and set up to control twin servo motors attached to a simple pan/tilt assembly. The Pi runs OpenCV set up in a face-tracking mode. This allows the robot to readily track money in its field of view, as the vast majority of money out there has someone’s face on it. OpenCV is used to detect where the money is in the field of view, and guide the Pi’s camera towards the cash.
Its ready-to-use modular components can be deployed on a wide range of Programmable Logic Controllers (PLCs), protocol gateways and devices using Linux-based operating systems.

Hardware

Source URL: http://www.tuxmachines.org/node/157659

Links: