

DPRG RBNV Chat Record - 20230131

Doug P.

7:47 PM

A nice IMU: BNO055 by Bosch

Mike Williamson

7:48 PM

this is the nano's IMU Nano_BLE_Sense_Ism9ds1

Ted

7:50 PM

LSM9 DS1 breakout on Adafruit: <https://learn.adafruit.com/adafruit-lsm9ds1-accelerometer-plus-gyro-plus-magnetometer-9-dof-breakout>

Harold Pulcher

7:53 PM

<https://virginorbit.com/the-latest/j-space-partners-with-virgin-orbit-to-bring-sovereign-air-launch-capability-to-south-korea/>

John Gauthier

7:56 PM

Just looked it up. Low earth orbit is 1,200 miles above the Earth or less.

Mike Williamson

7:57 PM

this is the nano BLE datasheet. <https://docs.arduino.cc/resources/datasheets/ABX00031-datasheet.pdf> maybe we can test the gyro in space!!!!

ed mart

7:59 PM

CubeSAT

David Steele

8:01 PM

<https://talk.dallasmakerspace.org/t/looking-for-rocketry-satellite-projects/96310>

Message starts with: "try_reboot" 10d Hey everyone. I am posting to see if anyone is currently working on projects related to rocketry, satellites, or anything space related. I am a software engineer and am hoping to find some folks to build space + spaceflight related projects with. It would be interesting to build something like a LEO satellite and raise funding to launch on one of the ride-share launch providers out there (SpaceX Falcon 9, Rocket Lab Electron). This post is super broad so far.

Harold Pulcher

8:06 PM

pulcher@killercomputing.com

David Steele

8:10 PM

<https://en.wikipedia.org/wiki/CubeSat>

Mike Williamson

8:18 PM

Doug, I may get the BNO055 to try. thanks

You

8:24 PM

Ray and Karim talking about 3 phase controllers

ed mart

8:26 PM

Feb 2023 Mag Pi magazine has raspberry pi camera3 cover story get your free PDF copy here

<https://magpi.raspberrypi.com/issues>

Ponder SomeMore

8:26 PM

<https://odriverobotics.com/>

<https://www.revrobotics.com/rev-11-2158/>

Pat Caron

8:31 PM

I've got an early morning, see you next week

Ponder SomeMore

8:31 PM

We spoke about AprilTags for a bit.

<https://april.eecs.umich.edu/software/apriltag>

David Anderson

8:32 PM

thanks

Shahn Christian Andersen

8:41 PM

<https://chev.me/arucogen/>

This is a website that shows the Aruco marker libraries with 4x4 and 5x5 etc.

Shahn Christian Andersen

8:48 PM

I've been using this: <https://shop.luxonis.com/products/oak-d-s2>

It's super high res and mostly universally supported, and specifically for robot vision

David Steele

8:59 PM

@Shahn Christian Andersen - what is the name of the CNC service you like?

Shahn Christian Andersen

8:59 PM

<https://www.hubs.com/cnc->

https://www.hubs.com/cnc-machining/?device=c&position=&utm_source=adwords_g&utm_medium=cpc&utm_campaign=10035253434&utm_content=127380555252&utm_term=hubs%20cnc&hsa_grp=127380555252&hsa_ver=3&hsa_src=g&hsa_kw=hubs%20cnc&hsa_ad=616017915291&hsa_cam=10035253434&hsa_net=adwords&hsa_mt=p&hsa_acc=4596651596&hsa_tgt=kwd-1450886665672&qclid=CjwKCAiAleOeBhBdEiwAfmXf8NRtuAAmd4nF_IIXD1fPBtKG1F8KakSyujVTcvismoPiG2aTF3tBoCDSIQAvD_BwE

[HUBS](https://www.hubs.com/cnc-machining/?device=c&position=&utm_source=adwords_g&utm_medium=cpc&utm_campaign=10035253434&utm_content=127380555252&utm_term=hubs%20cnc&hsa_grp=127380555252&hsa_ver=3&hsa_src=g&hsa_kw=hubs%20cnc&hsa_ad=616017915291&hsa_cam=10035253434&hsa_net=adwords&hsa_mt=p&hsa_acc=4596651596&hsa_tgt=kwd-1450886665672&qclid=CjwKCAiAleOeBhBdEiwAfmXf8NRtuAAmd4nF_IIXD1fPBtKG1F8KakSyujVTcvismoPiG2aTF3tBoCDSIQAvD_BwE)

HUBS

I was referred to them by someone here.

David Steele

9:00 PM

Thanks!

Shahn Christian Andersen

9:00 PM

There pricing is the best I have found so far, but I'm going to keep looking.

I just ordered a bunch of parts from them.

*Their pricing