

## DPRG RBNV Chat Record – December 27, 2022

Jonathan Thomas Gill

7:36 PM

I'll leave my bed unmade for posterity

Thanks for the heads up :)

Carl Ott

7:45 PM

~7:43pm - Pat discovered the DPRG website has a membership issue / doesn't support Province or Postal Code...  
Doug indicated to use 75082 for the postal data (Richardson Tx). If that doesn't work, Doug can enable Canada, or we can work out PayPal or some other mechanism

Jonathan Thomas Gill

7:46 PM

All I got was a lump of coal :(

Carl Ott

7:46 PM

Pat also showed parts that Santa brought - STM32103 (processor), Arduino Nano- motor driver, wheels and an I2C port expander...

Ponder SomeMore

7:51 PM

Jonny was a bad boy

Carl Ott

7:51 PM

~7:51pm - Michael had a question about the Pixy 2 Cam. What's a good direction to head for the can competition

Jonathan Thomas Gill

8:03 PM

I think it's a Haar cascade?

Doug P.

8:09 PM

Johnathan, you are correct. It is Haar cascade.

LGT8F328P Nano board:

[https://smile.amazon.com/gp/product/B0BCNCD10T/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&th=1](https://smile.amazon.com/gp/product/B0BCNCD10T/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&th=1)

Carl Ott

8:14 PM

~8:12pm - David A showed a project that will distract from Robots for a while - assembling a center-lit globe model with lots of pieces.

<https://rokrpuzzles.com/product/rokr-luminous-globe/>

Carl Ott

8:16 PM

~8:15pm - Ray asked if anybody had experience with DH Gate - a retailer perhaps similar to Ali Express or Banggood  
Ray Casler

8:19 PM

[https://www.dhgate.com/product/for-vr-ar-x-glasses-helmet-3d-vr-glasses/762229611.html?dspm=pcen.pd.likeotheritem.3.EnMDizwUuM9fSByu0h5T&resource\\_id=762229611&scm\\_id=rec.yml...\\_null\\_related\\_pdfailproduct\\_nomodel\\_2202\\_null\\_greenScreenFlag\\_0.0.#r5509370698-3-5inull::r5509370698](https://www.dhgate.com/product/for-vr-ar-x-glasses-helmet-3d-vr-glasses/762229611.html?dspm=pcen.pd.likeotheritem.3.EnMDizwUuM9fSByu0h5T&resource_id=762229611&scm_id=rec.yml..._null_related_pdfailproduct_nomodel_2202_null_greenScreenFlag_0.0.#r5509370698-3-5inull::r5509370698)

Doug P.

8:20 PM

AR-X headset YouTube video: <https://www.youtube.com/watch?v=GnYa13TdXQ4>

Mike Williamson

8:29 PM

Carl, add me to the end of the queue maybe before you

Carl Ott

8:30 PM

Mike - you got it

Carl Ott

8:33 PM

~8:30pm - Harold gave an update on newest gadgets - including an mBot Mega Advanced Mechanical Programmable Coding Robotic Kit (MakeBlock) - one of these <https://store.makeblock.com/products/makeblock-mbot-mega-robot-kit>

Harold Pulcher

8:33 PM

<https://store.makeblock.com/products/makeblock-mbot-mega-robot-kit?variant=42817940553944>

Jonathan Thomas Gill

8:37 PM

I've seen those motors in other kits, they don't have encoders

Carl Ott

8:38 PM

bummer on lack of encoders. I could swear that model had encoders when MakeBlock first put it out - either I remember wrong, or they've changed it...

Michael Kennedy

8:43 PM

Does anyone else see smoke rising under the light over Harold's right shoulder?

Jonathan Thomas Gill

8:44 PM

I was just wondering about that...

The incense sparks joy

Carl Ott

8:49 PM

~8:48pm - Mike W introduced himself

Carl Ott

8:50 PM

and described a handful of projects he's done and is working on...

Carl Ott

8:55 PM

~8:55pm Carl described two items / loosely robot related NiMH Battery charging Fiasco- anybody else ever force an NiMH battery pack to reverse-charge? Bluetooth Low Energy / BLE project - a garage door open/closed monitor - using this as a warm-up to use BLE for low bandwidth robot telemetry or commands...

Doug P.

8:57 PM

Vorpall Hex Robot: <https://create.arduino.cc/projecthub/vorpall-robotics-llc/robot-vorpall-the-hexapod-4f4e90>

Carl Ott

9:18 PM

~9:18pm Doug P - talked about moving all of his Pi4 to passive cases

Carl Ott

9:21 PM

here are links to the Espruino store - showing some of the items Carl demonstrated

<https://shop.espruino.com/ble>

<https://shop.espruino.com/espruino-boards>

<https://shop.espruino.com/pico>

<https://shop.espruino.com/wifi>

Carl Ott

9:23 PM

Many tutorials and examples to learn from and build from <http://www.espruino.com/Tutorials>

Jonathan Thomas Gill

9:25 PM

Man that is so counter-intuitive

But very impressive

Harold Pulcher

9:26 PM

not feeling so good. l8r, programs...

Ray Casler

9:30 PM

<https://randomnerdtutorials.com/esp32-cam-opencv-js-color-detection-tracking/>

Doug P.

9:30 PM

Vilros Raspberry 4 case:

Amazon link:

[https://smile.amazon.com/gp/product/B09MKZB2CS/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&psc=1](https://smile.amazon.com/gp/product/B09MKZB2CS/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=1)

better link: <https://vilros.com>

Doug P.

9:34 PM

How to stress test temperature on Raspberry Pi (Stressberry), <https://core-electronics.com.au/guides/how-to-stress-test-temperature-on-raspberry-pi/>

Mike Williamson

9:34 PM

doug, send the link to the spider so I can examine its design... thanks

Doug P.

Vorpal Hex Robot files: <https://www.thingiverse.com/thing:2513566>

## **Chat add-on**

Links about the other BLE beacon – RuuviTag (with the high gain antenna)

Original Kickstarter <https://www.kickstarter.com/projects/463050344/ruuvitag-open-source-bluetooth-sensor-beacon>

Supported by Espruino until Firmware 2v06 <http://www.espruino.com/Ruuvitag>

Current offering much more geared to readymade / end to end solutions <https://ruuvi.com/>