

DPRG RBNV Chat Record – 4/19/2022

Carl Ott
7:41 PM

~7:40pm - John G - added & demonstrated new behavior to his Halloween skull
⇒ **GOLD STAR FOR JOHN G!**

Carl Ott
7:49 PM

~7:48pm- Pat C - showing his stereo camera that provides both images in the same video stream - with hopes of using this to solve his chain link fence detection challenge...

Carl Ott
7:51 PM

Doug - Can you check the video posted on the video for 12 April at <https://www.dprg.org/category/news/>:
As pat noted and Paul and I verified - it is showing as "Video unavailable / This video is private"

Carl Ott
7:58 PM

~7:56pm - Pat showed some image attempts to isolate / detect a fence using edge detection...

Carl Ott
8:11 PM

~8:10pm - Paul B showed data sheet for an AMS SPAD detector

Paul Bouchier
8:15 PM

AMS 882x sensor https://ams.com/documents/20143/6015057/TMF882X_DS000693_4-00.pdf

Carl Ott
8:21 PM

~8:21pm - Doug P showed a range of Lux expected in common conditions - searching about light intensity in HDRP

Carl Ott
8:29 PM

~8:26pm- Doug P - had a chance to do a little on robots in the last week. Used his Donkey Car to capture sample images. Also - noted a message from Murray to the DPRG Dlist - mentioning this resource This was today posted to the Personal Robotics Discord server, thought I'd pass it along as it's clearly a valuable addition to the tool chest: PythonRobotics by Atsushi

Sakai <https://github.com/AtsushiSakai/PythonRobotics>

Carl Ott
8:32 PM

~8:32pm- Ray showed the shade for his omnivision camera lens - a 360-degree lens - reflector off of a lantern

Carl Ott
8:34 PM

Thinks it was an Ozark flashlight from Walmart - had the best-looking reflector - a clever way to do a DIY 360 camera adapter

Ray
8:43 PM

817427015025 upc code

Carl Ott
8:43 PM

thanks Ray - that's UPC code for a great lantern lens at Walmart - repurpose for robot camera...

Ray
8:44 PM

<https://www.walmart.com/ip/Ozark-Trail-200-Lumen-LED-Lantern-4-AA-Batteries-Not-Included/55443504>

Carl Ott
8:45 PM

~8:43pm- Paul B - gave an update - mounting Oak-D and antenna on the electronics box of his MowBot

Carl Ott
8:53 PM

~8:53pm- Dave- question about contests?

Doug - 4-square and also sample and retrieve - coming up in 2nd Saturday in June

Carl Ott
9:00 PM

~9:00pm - Harold showed new stuff available from Adafruit

Harold Pulcher
9:00 PM

<https://www.adafruit.com/product/5424>

Carl Ott
9:01 PM

Adafruit iRobot Create® 3 Programmable Robot Product ID: 5424

Carl Ott
9:03 PM

Can function as a ROS 2 node...

Doug Dodgen
9:04 PM

www.adafruit.com/product/5424

Harold Pulcher
9:09 PM

<https://sphero.com/collections/all/products/rvr>

Harold Pulcher
9:14 PM

<https://rpilocator.com/?msclkid=90968251c04f11ec99ad62901d796833>

Paul Bouchier
9:18 PM

got to go

Carl Ott
9:27 PM

~9:26pm - John G shard something Murray found & shared in the discord channel

cute little bugger https://www.youtube.com/watch?v=H1_OpWiyijU&t=1s

Carl Ott
9:32 PM

~9:30pm- Doug showed a new version to the Vizzy camera <https://vizycam.com/product/vizy/> This is a complete and ready-to-run Vizzy camera. It comes with a 2GB RAM version of the Raspberry Pi, which will run all of the applications seen in our Kickstarter video and more. Includes: Vizzy with 2GB RAM Raspberry

Pi 32 GB Ultra MicroSDXC, all software pre-installed, ready-to-run 12-megapixel camera sensor Wide-angle, distortion-free lens Switchable IR filter for day or night use I/O connectors and accessories 25W AC Power supply. Also available in 4GB and 8GB versions.

Carl Ott

9:40 PM

~9:37pm - John K asked about Edge Impulse - <https://docs.edgeimpulse.com/docs/>

Edge Impulse is the leading development platform for machine learning on edge devices, free for developers and trusted by enterprises.

Chris N

9:47 PM

need to bail out.... good night.

Carl Ott

9:47 PM

Ed - what's up?

Doug Dodgen

9:52 PM

<https://pyimagesearch.com/2020/09/21/opencv-automatic-license-number-plate-recognition-anpr-with-python/>

Pat Caron

9:54 PM

Bed time for Bonzo!