

DPRG RBNV Chat Record – 1/4/2022

Carl Ott

7:47 PM

Fun Links:

<https://www.youtube.com/watch?v=GYLBJScgb7o>

<https://www.youtube.com/watch?v=c3wk9WWTfNs>

Carl Ott

7:50 PM

~7:49 - Doug D gave brief update on his RC Car platform - trying to reverse engineer a platform to hack in.

David Anderson

7:50 PM

python3 depthai\_demo.py

You

7:51 PM

Demo for Oak-d-lite is: python 3 depthai\_demo.py

Carl Ott

7:51 PM

paul it seems we can hear you but you can't hear us

Levan LRS

7:52 PM

Paul, try vertical dots and go to settings

Carl Ott

7:52 PM

still you don't have audio

we can do a multi-mode - you talk and we type ?

Levan LRS

7:52 PM

there you will see audio output

change it to your speaker name

Carl Ott

7:54 PM

7:54- Paul gave an Oak-D Lite Demo

running on Linux

Carl Ott

7:55 PM

shifted demo to Doug P

For those not familiar - this is the Oak-D-Lite <https://www.kickstarter.com/projects/opencv/opencv-ai-kit-oak-depth-camera-4k-cv-edge-object-detection>

Carl Ott

8:15 PM

~8:15 - Paul picked up the demo again

Carl Ott

8:17 PM

Paul showed an instructive - architectural document for the system. Gave glowing repos for the depth / breadth and age of sample code that runs on the Oak-D.

Carl Ott  
8:18 PM

Glowing reviews (not glowing repos) for the docs and sample code provided by Luxonis

Carl Ott  
8:19 PM

Here's a link to the API / Architecture documentation page Paul is showing

<https://docs.luxonis.com/projects/api/en/latest/>

Doug P - I muted you since your audio was causing fan noise in the bridge

Carl Ott  
8:23 PM

8:22- Paul showed that the demo code looked / worked the same on Linux as when Doug ran it on Windows

Carl Ott  
8:30 PM

Levan feel free to jump in anytime :-)

Levan LRS  
8:30 PM

sounds good!

Carl Ott  
8:31 PM

~8:30 - Paul showed integration of OakD with ROS / visualizing the OakD output using the ROS tool Rviz

Carl Ott  
8:34 PM

Learn about Intel Movidius "VPU"s here

<https://www.intel.com/content/www/us/en/products/details/processors/movidius-vpu.html>

the Oak-D LITE apparently uses this version of Movidius

<https://www.intel.com/content/www/us/en/products/details/processors/movidius-vpu/movidius-myriad-x.html>

ed mart  
8:54 PM

Do you have a glitter popcorn ceiling ?

Chris N  
9:10 PM

google:

A global shutter can work either by abruptly exposing and then obstructing all photosites at once, in which case it can be thought of as a "hard shutter," or by doing this more gradually as a "soft shutter." Since they have no moving parts, global shutters are sometimes also referred to as "electronic shutters."

Carl Ott  
9:10 PM

google knows all '}

Carl Ott  
9:15 PM

good explanation from that google reference: <https://www.red.com/red-101/global-rolling-shutter#:~:text=A%20global%20shutter%20can%20work,to%20as%20%22electronic%20shutters.%22>

Raj Prabhakar  
9:16 PM



Carl Ott

9:54 PM

For the earlier discussions - check out the 2021 Nov 2 and 2021 Nov 9 videos and chat

[https://youtu.be/alyWGzTzb\\_s](https://youtu.be/alyWGzTzb_s)

Carl Ott

9:55 PM

that was Nov 9 (title screen had an error) - this is Nov 2 <https://www.youtube.com/watch?v=floFhpYU3K8>

ed mart

10:01 PM

Hyundai's WILD future - CES 2022 <https://youtu.be/wgtK5lqx6DQ>

Raj Prabhakar

10:07 PM

Got to go, see you guys next week