DPRG RBNV Chat Record – May 27, 2025

00:00:19.497,00:00:22.497
Mark R: Carl, do you still have the timings from each of the competitions?

00:00:48.764,00:00:51.764
Carl Ott: Mark - I thought I shared those via email - did it not come through? Ohhh - I sent those to Doug and Paul...

00:03:09.684,00:03:12.684
Pat Caron: I could here you Ray & Doug

00:03:25.672,00:03:28.672
Pat Caron: ...hear!

00:10:05.993,00:10:08.993
Ponder SomeMore: https://www.youtube.com/watch?v=TgJV3Mp_OZo

00:10:12.478,00:10:15.478
Ponder SomeMore: that's the smart cam panel

00:10:53.475,00:10:56.475
Paul Bouchier: Michael asked for recommendations on a camera. Doug advised PixieCam for just simple blob detection. It's a solution that's getting long in the tooth. But for AI, there are better choices. ESP32Cam frame rate is too slow ($10-15), MaixCam would be better for AI. It used to be the poor man's next step, But now OpenMV is a new solid choice. Recommend going back to the camera

00:12:04.886,00:12:07.886
Carl Ott: I have something to share

00:28:35.196,00:28:38.196
Paul Bouchier: Paul shared the DPRG part of a slide set he's going to present at HBRC tomorrow.

00:34:33.336,00:34:36.336
Paul Bouchier: Carl shared using copilot LLM to do a google-like search like site:dprg.org and then a search term (like six-can) and it would search that site and find explanations and the LLM can provide a description of the search term

00:38:18.100,00:38:21.100
Paul Bouchier: Link to Paul's presentation to HBRC: Online @ Zoom:
https://us06web.zoom.us/j/87591575859?pwd=bU5FeDdDSXp5ZDBxcVlmVXNMQ0F3UT09

00:39:01.902,00:39:04.902
Paul Bouchier: 7:30 pacific

00:39:25.701,00:39:28.701
Paul Bouchier: 7pm pacific

00:59:24.037,00:59:27.037
Ponder SomeMore: this is Doug's reminder to put run time as a tie breaker back into the QuikTrip rules

01:01:05.978,01:01:08.978
Paul Bouchier: Discussion of how many robots a single competitor should be allowed to field in a DPRG competition. Doug would want to hear from more people on this before changing any rules.

01:05:57.095,01:06:00.095
Paul Bouchier: Let the record show that Doug said time as a discriminator as a tiebreaker in QuickTrip will be added back into the rules

01:08:42.303,01:08:45.303
Carl Ott: courses still cheap - $1.99 / sq ft https://www.stickersbanners.com/banners.html

01:09:35.202,01:09:38.202
Paul Bouchier: Discussion of the missing basic line following course. Maybe it's wrapped up with the advanced course.

01:18:35.768,01:18:38.768
Ponder SomeMore: https://github.com/Ranch-Hand-Robotics/rde-ros-2

01:19:05.832,01:19:08.832
Ponder SomeMore: https://github.com/Ranch-Hand-Robotics/rde-urdf

01:20:58.759,01:21:01.759
Paul Bouchier: Karim reported that the ROS plugin for VS-Code is getting resuscitated. You can do URDF previews & updates. There are 2 plugins: URDF, and ROS2. Helps debug launch files, automate some stuff.

01:27:26.003,01:27:29.003
Paul Bouchier: Kyle showed a robot he's building. Lidar on top, Pi 2W as a main controller. Using steppers for drive motors. Kyle has an Arduino nano driving a motor controller, under command of the Pi. He thinks he should be able to show it at a July meeting

01:28:00.801,01:28:03.801
Ponder SomeMore: https://www.robotlab.com/dallas

01:47:13.929,01:47:16.929
Ponder SomeMore: i gotta boogie y'all - later!

01:49:44.541,01:49:47.541
Paul Bouchier: https://www.getsurreal.com/products/xv-lidar-controller-first-release/

01:51:00.044,01:51:03.044
Paul Bouchier: https://www.getsurreal.com/xv-lidar-controller-first-release/xv-lidar-controller-visual-test/

01:59:12.674,01:59:15.674
Paul Bouchier: https://www.amazon.com/PCB007-Position-Distribution-Outputs-Voltage/dp/B07DW2C4ZB/ref=sr_1_6?dib=eyJ2IjoiMSJ9.3VWXk-Ku6psCh_y7Nsq9Qz16DZLzNKPFmFVJIqQpULsmwLiQjV69XCrJ7cjjUaaOgpBb6u3DGDH7GDTrqJIjNMoHiORrx85kFOtGtHjB_VSi0C2-qrexiNz7l__krIzcIiPcBEU1ikZOvXOqN-kIANcmtI8PgsDyaSMAVrdWyEPWSlbzSMNq-6y09giNMwy6GZF-apH3Bb4Uqd8l3i1M14g8kfhvBaOVznit5m93Nx4._vLLBobllo6qzbaj7Si5wIvbIIlLEabNqVG7LP-t_EM&dib_tag=se&keywords=DC+Power+Distribution&qid=1748400067&sr=8-6