

DPRG RBNV Chat Record – 9/6/2022

Doug P.
7:45 PM

Ray Casler discussed his experiments with the Adafruit AS7262 to detect cones outside. He reported considerable success. He 3-d printed a lens holder/barrel shade and placed a plano-convex lens at the focal length of the lens in front of the sensor. Convex side away from the sensor. The barrel extended beyond the lens to provide shade and limit input angle. The sensor was mounted on a servo and Ray demonstrated successful aiming at a cone from 30 feet with cone both in shade and bright sunshine. Ray also mentioned the AS7341 as a possible alternative sensor.

Adafruit AS7262 part webpage: <https://www.adafruit.com/product/3779>

Adafruit “how to use”: <https://cdn-learn.adafruit.com/downloads/pdf/adafruit-as7262-6-channel-visible-light-sensor.pdf>

Part Documentation: https://cdn-learn.adafruit.com/assets/assets/000/052/623/original/AS7262_DS000486_2-00_%281%29.pdf?1522179774

Adafruit AS7341 part webpage: <https://www.adafruit.com/product/4698>