

perception_asr

These are examples of Image and PointCloud2 perception from HSV filters and Darknet ROS.

- HSV Filter with CV slides [sensor_msgs/msg/Image] -> [vision_msgs/msg/Detection2DArray]
- Darknet ROS detector [darknet_ros/msg/BoundingBoxes] -> [vision_msgs/msg/Detection2DArray]
- 2D to 3D based on PointCloud2 [vision_msgs/msg/Detection2DArray, sensor_msgs/msg/PointCloud2] -> [vision_msgs/msg/Detection3DArray]
- 2D to 3D based on Depth [vision_msgs/msg/Detection2DArray, sensor_msgs/msg/Image, sensor_msgs/msg/CameraInfo] -> [vision_msgs/msg/Detection3DArray]

