

camera_node

I: camera feed (HW)
O:camera_raw,
camera_compressed

sensors_thrusters

I: props_commands, electromagnets_state and all the I2C actuators and sensors (HW)

O: sonars, IMU, compass, motors_info, battery_logic

camera_relay

I: camera_compressed
O: camera_compressed

link_imubuff target_ip

I: package of IMU data

O: standard IMU stamped messages

mcptam target_ip

I: camera_compressed

O: pose stamped

sick_pose

I: sick (HW)

O: poseStamped

trajectory target_ip

I: path #, path, state

O: state_trajectory

state_estimator target_ip input_#

I: sick pose or sonars or mcptam

O: state

control_node target_ip

I: state, ctrl #, path #, path, gains, maxthrust, desired_state, state_trajectory O: wrench (1x6), state

force_distribution

I: wrench (1x6)

O: props_commands (1x8)

Tryphonrosweb

I: user html input
O: ctrl #, path #, path,
gains, maxthrust,
desired_state,
state_trajectory

ps3_ctr

I: ps3 input (HW)
O: desired_state,
electromagnet

Command

I: keyboard input (HW)
O: desired_state

androidrosaccel

I: phone orientation (HW)

O: desired_state

aubionode

I: sung triplets (HW)

O: desired_state

External device nodes