

Topic	Message Type	Publisher	Subscriber
/camera/depth/camera_info	sensor_msgs/CameraInfo	/gazebo	None
/camera/depth/image_raw	sensor_msgs/Image	/gazebo	None
/camera/depth/points	sensor_msgs/PointCloud2	/gazebo	None
/camera/parameter_descriptions	dynamic_reconfigure/ConfigDescription	/gazebo	None
/camera/parameter_updates	dynamic_reconfigure/Config	/gazebo	None
/camera/rgb/camera_info	sensor_msgs/CameraInfo	/gazebo	None
/camera/rgb/image_raw	sensor_msgs/Image	/gazebo	None
/camera/rgb/image_raw/compressed	sensor_msgs/CompressedImage	/gazebo	None
/camera/rgb/image_raw/compressed/parameter_descriptions	dynamic_reconfigure/ConfigDescription	/gazebo	None
/camera/rgb/image_raw/compressed/parameter_updates	dynamic_reconfigure/Config	/gazebo	None
/camera/rgb/image_raw/compressedDepth	sensor_msgs/CompressedImage	/gazebo	None
/camera/rgb/image_raw/compressedDepth/parameter_descriptions	dynamic_reconfigure/ConfigDescription	/gazebo	None
/camera/rgb/image_raw/compressedDepth/parameter_updates	dynamic_reconfigure/Config	/gazebo	None
/camera/rgb/image_raw/theora	theora_image_transport/Packet	/gazebo	None
/camera/rgb/image_raw/theora/parameter_descriptions	dynamic_reconfigure/ConfigDescription	/gazebo	None
/camera/rgb/image_raw/theora/parameter_updates	dynamic_reconfigure/Config	/gazebo	None

/clock	rosgraph_msgs/Clock	/gazebo	/rosout * /cmd_vel_mux * /bumper2pointcloud * /robot_state_publisher * /mobile_base_nodelet_manager * /gazebo
/cmd_vel_mux/active	std_msgs/String	/mobile_base_nodelet_manager	None
/cmd_vel_mux/input/navi	geometry_msgs/Twist	None	/mobile_base_nodelet_manager
/cmd_vel_mux/input/safety_controller	geometry_msgs/Twist	None	/mobile_base_nodelet_manager
/cmd_vel_mux/input/switch	geometry_msgs/Twist	None	/mobile_base_nodelet_manager
/cmd_vel_mux/input/teleop	geometry_msgs/Twist	None	/mobile_base_nodelet_manager
/cmd_vel_mux/parameter_descriptions	dynamic_reconfigure/ConfigDescription	/mobile_base_nodelet_manager	None
/cmd_vel_mux/parameter_updates	dynamic_reconfigure/Config	/mobile_base_nodelet_manager	None
/gazebo/link_states	gazebo_msgs/LinkStates	/gazebo	None
/gazebo/model_states	gazebo_msgs/ModelStates	/gazebo	None
/gazebo/parameter_descriptions	dynamic_reconfigure/ConfigDescription	/gazebo	None
/gazebo/parameter_updates	dynamic_reconfigure/Config	/gazebo	None
/gazebo/set_link_state	gazebo_msgs/LinkState	None	/gazebo
/gazebo/set_model_state	gazebo_msgs/ModelState	None	/gazebo
/joint_states	sensor_msgs/JointState	/gazebo	/robot_state_publisher
/mobile_base/commands/motor_power	kobuki_msgs/MotorPower	None	/gazebo
/mobile_base/commands/reset_odometry	std_msgs/Empty	None	/gazebo
/mobile_base/commands/velocity	geometry_msgs/Twist	/gym_3547_1564115985154 * /mobile_base_nodelet_manager	/gazebo
/mobile_base/events/bumper	kobuki_msgs/BumperEvent	/gazebo	None

/mobile_base/events/cliff	kobuki_msgs/CliffEvent	/gazebo	None
/mobile_base/sensors/bumper_pointcloud	sensor_msgs/PointCloud2	/mobile_base_nodelet_manager	None
/mobile_base/sensors/core	kobuki_msgs/SensorState	None	/mobile_base_nodelet_manager
/mobile_base/sensors/imu_data	sensor_msgs/Imu	/gazebo	None
/mobile_base_nodelet_manager/bond	bond/Status	/mobile_base_nodelet_manager * /cmd_vel_mux * /bumper2pointcloud	/mobile_base_nodelet_manager * /cmd_vel_mux * /bumper2pointcloud
/odom	nav_msgs/Odometry	/gazebo	None
/rosout	rosgraph_msgs/Log	/gym_3547_1564115985154 * /cmd_vel_mux * /bumper2pointcloud * /robot_state_publisher * /mobile_base_nodelet_manager * /gazebo	/rosout
/rosout_agg	rosgraph_msgs/Log	/rosout	None
/scan	sensor_msgs/LaserScan	/gazebo	None
/sonar_front	sensor_msgs/Range	/gazebo	None
/sonar_front/parameter_descriptions	dynamic_reconfigure/ConfigDescription	/gazebo	None
/sonar_front/parameter_updates	dynamic_reconfigure/Config	/gazebo	None
/tf	tf2_msgs/TFMessage	/robot_state_publisher * /gazebo	None
/tf_static	tf2_msgs/TFMessage	/robot_state_publisher	None