odom\_combined

Broadcaster: /play\_160166813761504
Average rate: 25.927
Buffer length: 1.08
Most recent transform: 1333736139.9
Oldest transform: 1333736138.88

base\_footprint

Broadcaster: /play\_160166813761504
Average rate: 50.929
Buffer length: 1.1
Most recent transform: 1333736140.5
Oldest transform: 1333736139.42

base\_link

Oldest transform: 1333736139.42 Oldest transform: 1333736138.91 torso\_lift\_motor\_screw\_link base\_bellow\_link fr\_caster\_rotation\_link base\_laser\_link \Oldest transform: 1333736138.91 Oldest transform: 1333736139.42 Oldest transform: 1333736138.91 Oldest transform: 1333736139.42 Oldest transform: 1333736139.42 Oldest transform: 1333736138.91 Oldest transform: 1333736138.91 bl\_caster\_r\_wheel\_link br\_caster\_l\_wheel\_link fr\_caster\_l\_wheel\_link laser\_tilt\_mount\_link r\_torso\_lift\_side\_plate\_link l\_torso\_lift\_side\_plate\_link fl\_caster\_l\_wheel\_link br\_caster\_r\_wheel\_link Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 | Broadcaster: /play\_1601668137615040353 Average rate: 25.923
Buffer length: 1.08 Buffer length: 1.08

Most recent transform: 1333736139.99

Oldest transform: 1333736138.91 Most recent transform: 1333736140.52 Oldest transform: 1333736139.42 Most recent transform: 1333736139.99 | Most recent transform: 1333736139.99 **☐** Oldest transform: 1333736138.91 Oldest transform: 1333736138.91 laser\_tilt\_link r\_shoulder\_lift\_link head\_tilt\_link l\_shoulder\_lift\_link Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 Buffer length: 1.08 Most recent transform: 1333736139.99 Most recent transform: 1333736139.99 Most recent transform: 1333736140.52 Oldest transform: 1333736139.42 **\_Oldest transform: 1333736138.91** head\_plate\_frame l\_upper\_arm\_roll\_link r\_upper\_arm\_roll\_link Broadcaster: /play\_1601668137615040353 Average rate: 50.929 Buffer length: 1.1 Broadcaster: /play\_1601668137615040353 Most recent transform: 1333736140.52 Most recent transform: 1333736140.52 \ Most recent transform: 1333736140.52 Most recent transform: 1333736140.52 Oldest transform: 1333736139.42 Oldest transform: 1333736139.42 Oldest transform: 1333736139.42 Didest transform: 1333736139.42 Didest transform: 1333736139.42 openni\_rgb\_frame projector\_wg6802418\_frame r\_upper\_arm\_link sensor\_mount\_link Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_160166813/615040353 Average rate: 25.923
Buffer length: 1.08
Most recent transform: 1333736139.99 Average rate: 25.923 Most recent transform: 1333736140.52 Most recent transform: 1333736139.99 Most recent transform: 1333736140.52 Oldest transform: 1333736138.91 Oldest transform: 1333736139.42 Oldest transform: 1333736139.42 Oldest transform: 1333736139.42 Dldest transform: 1333736138.91 r\_elbow\_flex\_link l\_elbow\_flex\_link openni\_rgb\_optical\_frame double\_stereo\_link Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 Average rate: 25.923
Buffer length: 1.08
Most recent transform: 1333736139.99
Oldest transform: 1333736138.91 Average rate: 25.92 Buffer length: 1.1
Most recent transform: 1333736140.52
Oldest transform: 1333736139.42
Buffer length: 1.1
Most recent transform: 1333736140.52
Oldest transform: 1333736139.42 Buffer length: 1.08 Most recent transform: 1333736139.99 Most recent transform: 1333736140.52 Oldest transform: 1333736138.91 Oldest transform: 1333736139.42 l\_forearm\_roll\_link wide\_stereo\_link high\_def\_optical\_frame r\_forearm\_roll\_link narrow\_stereo\_link /Broadcaster: /play\_1601668137615040353 | Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 \ Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353Broadcaster: /play 1601668137615040353 Average rate: 50.929 Average rate: 50.929 Buffer length: 1.1 Most recent transform: 1333736140.52 Oldest transform: 1333736139.42 \ Most recent transform: 1333736140.52 Oldest transform: 1333736139.42 l\_forearm\_cam\_frame wide\_stereo\_optical\_frame narrow\_stereo\_gazebo\_l\_stereo\_camera\_frame narrow\_stereo\_optical\_frame r\_forearm\_link r\_forearm\_cam\_frame Broadcaster: /play\_1601668137615040353Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 | Broadcaster: /play\_1601668137615040353 Average rate: 50.929 Buffer length: 1.1 Buffer length: 1.08 Buffer length: 1.1 Most recent transform: 1333736139.99 Most recent transform: 1333736140.52 Most recent transform: 1333736140.52 Most recent transform: 1333736140.52 Most recent transform: 1333736140.52 Most recent transform: 1333736139.99 Most recent transform: 1333736140.52 Most recent transform: 1333736140.52 Dldest transform: 1333736138.91 Oldest transform: 1333736139.42 Oldest transform: 1333736139.42 Oldest transform: 1333736139.42 Oldest transform: 1333736138.91 Didest transform: 1333736139.42 Dldest transform: 1333736139.42 Oldest transform: 1333736139.42 l\_wrist\_flex\_link r\_wrist\_flex\_link wide\_stereo\_gazebo\_r\_stereo\_camera\_frame narrow\_stereo\_gazebo\_r\_stereo\_camera\_frame narrow\_stereo\_gazebo\_l\_stereo\_camera\_optical\_frame r\_forearm\_cam\_optical\_frame l\_forearm\_cam\_optical\_frame Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 Average rate: 50.929 Buffer length: 1.1 Buffer length: 1.08

Most recent transform: 1333736139.99
Oldest transform: 1333736138.91 Buffer length: 1.08

Most recent transform: 1333736139.99
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Buffer length: 1.1
Most recent transform: 1333736140.52
Oldest transform: 1333736139.42 l\_gripper\_palm\_link r\_gripper\_palm\_link Average rate: 25.923
Buffer length: 1.08 Buffer length: 1.08 Buffer length: 1.08 Most recent transform: 1333736140.52 | Most recent transform: 1333736139.99 | Most recent transform: 1333736139.99 | Most recent transform: 1333736140.52 | Most recent transform: 1333736139.99 | Most recent transform: 1333736139.99 | Most recent transform: 1333736140.52 | Most recent transform: 1333736139.99 | Most recent transf Oldest transform: 1333736138.91 **Oldest transform: 1333736138.91** Oldest transform: 1333736139.42 Oldest transform: 1333736138.91 l\_gripper\_led\_frame l\_gripper\_l\_finger\_link l\_gripper\_r\_finger\_link r\_gripper\_l\_finger\_link r\_gripper\_r\_finger\_link l\_gripper\_motor\_slider\_link r\_gripper\_tool\_frame r\_gripper\_motor\_accelerometer\_link Broadcaster: /play\_1601668137615040353 | Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 Average rate: 25.923 Average rate: 25.923 Buffer length: 1.08 Most recent transform: 1333736139.99 Buffer length: 1.08 Most recent transform: 1333736139.99 Most recent transform: 1333736139.99 Most recent transform: 1333736139.99 Most recent transform: 1333736139.99 Dldest transform: 1333736138.91 Oldest transform: 1333736138.91 Oldest transform: 1333736138.91 Dldest transform: 1333736138.91 Oldest transform: 1333736138.91 Didest transform: 1333736138.91 r\_gripper\_l\_finger\_tip\_link l\_gripper\_r\_finger\_tip\_link r\_gripper\_r\_finger\_tip\_link r\_gripper\_motor\_screw\_link l\_gripper\_motor\_screw\_link Broadcaster: /play\_1601668137615040353 Broadcaster: /play\_1601668137615040353 Buffer length: 1.08 Most recent transform: 1333736139.99 Most recent transform: 1333736139.99 Oldest transform: 1333736138.91 Oldest transform: 1333736138.91 l\_gripper\_l\_finger\_tip\_frame r\_gripper\_l\_finger\_tip\_frame