

# Analysis – Yolo with Camera Intel RealSense

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Distance	5 m	10 m	25 m
Picture (front)	00290ResultFrame5m.jpg	00190ResultFrame10m.jpg	00440ResultFrame25m.jpg
Results distance (for quantile from 0.1 to 0.9)	4.823187549251379, 4.823187549251379, 4.823187549251379, 4.823187549251379, 4.823187549251379, 4.823187549251379, 5.0096982758620685, 5.203865763640515, 5.785059609951072	9.999380037197769, 9.999380037197769, 9.999380037197769, 9.999380037197769, 10.244028103044496, 10.244028103044496, 10.412785774767146, 10.738490566037735, 11.353260869565217	24.821917808219176, 25.402777777777775, 26.20415224913495, 26.20415224913495, 26.533898305084744, 26.801007556675064, 27.278761061946902, 27.980582524271846, 28.906896551724138
Best distance	Quantile(0.8)	Quantile(0.6)	Quantile(0.2)
Comment			
Picture (Back)	00400ResultFrame5m.jpg	00330ResultFrame10m.jpg	00697ResultFrame25m.jpg
Results distance	4.850770925110132, 4.850770925110132, 4.850770925110132, 4.850770925110132, 4.850770925110132, 4.850770925110132, 5.010744193395481, 5.190816847945106, 5.859789750328515	9.999380037197769, 9.999380037197769, 9.999380037197769, 9.999380037197769, 10.244028103044496, 10.244028103044496, 10.412785774767146, 10.738490566037735, 11.353260869565217	24.34965034965035, 24.34965034965035, 25.14181818181818, 25.637333333333334, 25.637333333333334, 26.02672605790646, 26.439453125, 27.328358208955223, 27.80680061823802
Best distance	Quantile(0.7)	Quantile(0.6)	Quantile(0.3)
Comment			
Picture (Moving)	00950ResultFrame5m.jpg	01036ResultFrame10m.jpg	01672ResultFrame25m.jpg
Results distance	4.726933185779499, 4.726933185779499, 4.726933185779499, 4.726933185779499, 4.726933185779499, 4.955510157757349, 5.194058799510004, 5.711317458858141, 7.244806288601909	9.991269841269842, 9.991269841269842, 10.3895292987512, 10.3895292987512, 10.8136173449981, 11.287793582533906, 12.166762013729977, 13.92096048024012, 17.906562847608452	22.796610169491526, 23.452380952380953, 24.490039840637447, 25.48493975903614, 26.600961538461537, 27.751012145748987, 29.214904679376083, 30.937689969604865, 33.22027027027027
Best distance	Quantile(0.7)	Quantile(0.4)	Quantile(0.4)
Comment			
Picture (On knee)	00600ResultFrame5m.jpg	00470ResultFrame10m.jpg	01380ResultFrame25m.jpg

Results distance	4.855111800439447, 4.855111800439447, 4.855111800439447, 4.855111800439447, 4.855111800439447, 4.855111800439447, 4.98019801980198, 5.1284294664074315, 6.01058201058201	9.98736059479554, 9.98736059479554, 9.98736059479554, 9.98736059479554, 10.21317157712305, 10.405670103092785, 10.713163972286374, 11.382822085889572, 12.913679590343818	25.0, 25.685714285714287, 25.685714285714287, 26.08910891089109, 26.418032786885245, 26.5390625, 27.282051282051285, 27.646706586826344, 28.442105263157895
Best distance	Quantile(0.8)	Quantile(0.5)	Quantile(0.2)
Comment			
Picture (Side)	00345ResultFrame5m.jpg	00223ResultFrame10m.jpg	00794ResultFrame25m.jpg
Results distance	4.845340050377834, 4.845340050377834, 4.845340050377834, 4.845340050377834, 4.845340050377834, 5.017293125625268, 5.017293125625268, 5.371181199752628, 6.41	9.994174757281554, 9.994174757281554, 10.500963391136802, 10.500963391136802, 10.876534296028881, 10.876534296028881, 11.344685848502643, 11.677628032345014, 12.403696498054474	26.25423728813559, 26.842696629213485, 27.863636363636367, 29.7035175879397, 30.230769230769234, 31.401486988847584, 32.4983922829582, 33.29154518950437, 34.41343669250646
Best distance	Quantile(0.8)	Quantile(0.4)	Quantile(0.1)
Comment			
Picture (No detection)	00735ResultFrame5m.jpg	00700ResultFrame10m.jpg	01500ResultFrame25m.jpg
Results distance	/	/	/
Best distance	/	/	/
Comment			
Picture (Star)	01035ResultFrame5m.jpg	00804ResultFrame10m.jpg	00869ResultFrame25m.jpg
Results distance	4.660773149535511, 4.660773149535511, 4.660773149535511, 4.993619576640144, 5.2422070235433385, 5.5872941452265135, 6.515124062610096, 8.035931355023239, 10.446815261362735	9.992366412213741, 9.992366412213741, 10.454750281637251, 10.729153798641136, 11.026040268456377, 11.531228551818806, 12.422868217054262, 13.399583043780403, 15.17983609092315	24.657342657342657, 25.346938775510203, 25.817518248175183, 25.817518248175183, 26.496441281138793, 26.995290423861853, 27.974934036939317, 28.62469733656174, 29.894962486602356
Best distance	Quantile(0.6)	Quantile(0.3)	Quantile(0.3)
Comment			
AVERAGE	0.7	0.5	0.3
BEST	0.5		