




















proposal	algorithm																				mAP
3D SS	dxdydz no bbreg	43.3	55.0	16.2	23.1	3.4	10.4	17.1	30.7	10.9	35.4	20.3	41.2	47.2	25.2	43.9	1.9	1.6	0.1	9.9	23.0
	dxdydz	52.1	60.5	19.0	30.9	2.2	15.4	23.1	36.4	19.7	36.2	18.9	52.5	53.7	32.7	56.9	1.9	0.5	0.3	8.1	27.4
RPN	dxdydz no bbreg	51.4	74.8	7.1	51.5	15.5	22.8	24.9	11.4	12.5	39.6	15.4	43.4	58.0	40.7	61.6	0.2	0.0	1.5	2.8	28.2
	dxdydz no svm	58.9	79.8	15.7	56.3	11.3	20.3	18.8	16.5	18.2	38.1	15.1	54.0	57.7	47.2	66.8	1.3	0.0	0.6	8.3	30.8
	dxdydz no size	59.9	78.9	12.0	51.5	15.6	24.6	27.7	12.5	18.6	42.3	15.1	59.4	59.6	44.7	62.5	0.3	0.0	1.1	12.9	31.5
	dxdydz	59.0	80.7	12.0	59.3	15.7	25.5	28.6	12.6	18.6	42.5	15.3	59.5	59.9	45.3	64.8	0.3	0.0	1.4	13.0	32.3
	tsdf dis	61.2	78.6	10.3	61.1	2.7	23.8	21.1	25.9	12.1	34.8	13.9	49.5	61.2	45.6	70.8	0.3	0.0	0.1	1.7	30.2
	dxdydz+rgb	58.3	79.3	9.9	57.2	8.3	27.0	22.7	4.8	18.8	46.5	14.4	51.6	56.7	45.3	65.1	0.2	0.0	4.2	0.9	30.1
	proj dxdydz+img	58.4	81.4	20.6	53.4	1.3	32.2	36.5	18.3	17.5	40.8	19.2	51.0	58.7	47.9	71.4	0.5	0.2	0.3	1.8	32.2
	dxdydz+img+hha	55.9	83.0	18.8	63.0	17.0	33.4	43.0	33.8	16.5	54.7	22.6	53.5	58.0	49.7	75.0	2.6	0.0	1.6	6.2	36.2
	dxdydz+img	62.8	82.5	20.1	60.1	11.9	29.2	38.6	31.4	23.7	49.6	21.9	58.5	60.3	49.7	76.1	4.2	0.0	0.5	9.7	36.4