

	Input	Train	Test	mAP	FPS
YOLO	448	VOC2007+2012	2007	63.4	45
YOLOv2	416	VOC2007+2012	2007	76.8	67
YOLOv2 544x544	544	VOC2007+2012	2007	78.6	40
Faster R-CNN		VOC2007+2012	2007	73.2	5
R-FCN (ResNet-101)		VOC2007+2012	2007	80.5	5.9
SSD*	300	VOC2007+2012	2007	77.7	61.1
DSSD (ResNet-101)	321	VOC2007+2012	2007	78.6	9.5
ISSD*	300	VOC2007+2012	2007	78.1	26.9
ours (SSD pooling)*	300	VOC2007+2012	2007	77.1	48.3
ours (SSD deconvolution)*	300	VOC2007+2012	2007	77.3	39.9
ours (R-SSD)*	300	VOC2007+2012	2007	78.5	35.0
ours (R-SSD one classifier (4 boxes))*	300	VOC2007+2012	2007	76.2	34.8
ours (R-SSD one classifier (6 boxes))*	300	VOC2007+2012	2007	77.0	35.4
SSD*	512	VOC2007+2012	2007	79.8	25.2
DSSD (ResNet-101)	513	VOC2007+2012	2007	81.5	5.5
ours (R-SSD)*	512	VOC2007+2012	2007	80.8	16.6