

Model name	Speed (ms)	Accuracy
ssd_mobilenet_v1_coco	30	21
ssd_mobilenet_v1_0.75_depth_coco ☆	26	18
ssd_mobilenet_v1_quantized_coco ☆	29	18
ssd_mobilenet_v1_0.75_depth_quantized_coco ☆	29	16
ssd_mobilenet_v1_ppn_coco ☆	26	20
ssd_mobilenet_v1_fpn_coco ☆	56	32
ssd_resnet_50_fpn_coco ☆	76	35
ssd_mobilenet_v2_coco	31	22
ssd_mobilenet_v2_quantized_coco	29	22
ssdlite_mobilenet_v2_coco	27	22
ssd_inception_v2_coco	42	24
faster_rcnn_inception_v2_coco	58	28
faster_rcnn_resnet50_coco	89	30
faster_rcnn_resnet50_lowproposals_coco	64	n/a
rfcn_resnet101_coco	92	30
faster_rcnn_resnet101_coco	106	32
faster_rcnn_resnet101_lowproposals_coco	82	n/a
faster_rcnn_inception_resnet_v2_atrous_coco	620	37
faster_rcnn_inception_resnet_v2_atrous_lowproposals_coco	241	n/a
faster_rcnn_nas	1833	43
faster_rcnn_nas_lowproposals_coco	540	n/a
mask_rcnn_inception_resnet_v2_atrous_coco	771	36
mask_rcnn_inception_v2_coco	79	25
mask_rcnn_resnet101_atrous_coco	470	33
mask_rcnn_resnet50_atrous_coco	343	29

Note: The asterisk (☆) at the end of model name indicates that this model supports TPU training.

Mobile models

Model name	Speed (ms)	Accuracy
ssd_mobilenet_v3_large_coco	119	22.3
ssd_mobilenet_v3_small_coco	43	15.6

Pixel4 Edge TPU models

Model name	Speed (ms)	Accuracy
ssd_mobilenet_edgetpu_coco	6.6	24.3

Kitti-trained models

Model name	Speed (ms)	Accuracy
faster_rcnn_resnet101_kitti	79	87

Open Images-trained models

Model name	Speed (ms)	Accuracy
faster_rcnn_inception_resnet_v2_atrous_oidv2	727	37
faster_rcnn_inception_resnet_v2_atrous_lowproposals_oidv2	347	n/a
facedssd_mobilenet_v2_quantized_open_image_v4 [^3]	20	n/a
faster_rcnn_inception_resnet_v2_atrous_oidv4	425	54
ssd_mobilenetv2_oidv4	89	36
ssd_resnet_101_fpn_oidv4	237	38

iNaturalist Species-trained models

Model name	Speed (ms)	Accuracy
faster_rcnn_resnet101_fgvc	395	58
faster_rcnn_resnet50_fgvc	366	55

AVA v2.1 trained models

Model name	Speed (ms)	Accuracy
faster_rcnn_resnet101_ava_v2.1	93	11