



The OpenVINO team continues the effort to support as many models out-of-the-box as possible. Based on our research and user feedback, we prioritize the most common models and test them before every release. These supported models include but aren't limited to the models listed in the tables below.

Object Detection

149

model category

number of models

ctdet_coco_dlav0_512
detr_resnet50
efficientdet-d0
efficientdet-d1
efficientnet-b0
efficientnet-v2-m
faceboxes
face-detection-0200
face-detection-0202
face-detection-0204
face-detection-0205
face-detection-0206
face-detection-adas-0001
face-detection-retail-0004
face-detection-retail-0005
face-detection-retail-0044
facenet-20180408-102900
face-person-detection-retail-0002
face-recognition-resnet100-arcface
face-recognition-resnet50-arcface
face-recognition-resnet50-aws
face-reidentification-retail-0095
facial-landmarks-35-adas-0002
facial-landmarks-98-detection-0001
faster_rcnn_inception_resnet_v2_atrous_coco
faster_rcnn_inception_v2_coco
faster_rcnn_resnet101_coco
faster_rcnn_resnet50_coco
faster_rcnn_resnet50_fpn_coco
faster-rcnn-resnet101-coco-sparse-60-0001
fastscnn
gaze-estimation-adas-0002
head-pose-estimation-adas-0001
hg-s8-b1-mpii
higher-hrnet-w32-512
human-pose-estimation-0001
human-pose-estimation-0002
human-pose-estimation-0003
human-pose-estimation-0004
human-pose-estimation-0005
human-pose-estimation-0006
human-pose-estimation-0007
human-pose-estimation-3d-0001
instance-segmentation-person-0007

instance-segmentation-security-0002
instance-segmentation-security-0010
instance-segmentation-security-0050
instance-segmentation-security-0083
instance-segmentation-security-0091
instance-segmentation-security-0228
instance-segmentation-security-1025
instance-segmentation-security-1039
instance-segmentation-security-1040
landmarks-regression-retail-0009
mobilefacedet-v1-mxnet
mobilenet-ssd
mobilenet-v1-0.25-128
mobilenet-v1-1.0-224
mobilenet-v2
mobilenet-v2-1.0-224
mobilenet-v2-1.4-224
mobilenetv2-int8-onnx-0001
mobilenet-v3-large-1.0-224
mobilenet-v3-small-1.0-224
mobilenet-yolo-v4-syg
mtcnn-p
openpose-pose
pedestrian-and-vehicle-detector-adas-0001
pedestrian-detection-adas-0002
pelee-coco
person-attributes-recognition-crossroad-0230
person-attributes-recognition-crossroad-0234
person-attributes-recognition-crossroad-0238
person-detection-0100
person-detection-0101
person-detection-0102
person-detection-0106
person-detection-0200
person-detection-0201
person-detection-0202
person-detection-0203
person-detection-0301
person-detection-0302
person-detection-0303
person-detection-action-recognition-0005
person-detection-action-recognition-0006
person-detection-action-recognition-teacher-0002
person-detection-asl-0001
person-detection-raisinghand-recognition-0001
person-detection-retail-0002
person-detection-retail-0013
person-reidentification-retail-0248
person-reidentification-retail-0277
person-reidentification-retail-0286
person-reidentification-retail-0287
person-reidentification-retail-0288

person-vehicle-bike-detection-2000
person-vehicle-bike-detection-2001
person-vehicle-bike-detection-2002
person-vehicle-bike-detection-2003
person-vehicle-bike-detection-2004
person-vehicle-bike-detection-crossroad-0078
person-vehicle-bike-detection-crossroad-1016
person-vehicle-bike-detection-crossroad-yolov3-1020
pp-yolo
product-detection-0001
single-human-pose-estimation-0001
single-image-super-resolution-1032
smartlab-object-detection-0001
smartlab-object-detection-0002
smartlab-object-detection-0003
smartlab-object-detection-0004
ssd_mobilenet_v1_coco
ssd_mobilenet_v1_fpn_coco
ssd300
ssd300-int8-onnx-0001
ssd300-onnx-0001
ssd512
ssd512-onnx
ssdlite_mobilenet_v2
ssd-resnet34-1200
tiny_yolo_v1
tiny_yolo_v2
ultra-lightweight-face-detection-rfb-320
ultra-lightweight-face-detection-slim-320
vehicle-detection-0200
vehicle-detection-0201
vehicle-detection-0202
vehicle-detection-adas-0002
vehicle-license-plate-detection-barrier-0106
vehicle-license-plate-detection-barrier-0123
yolo_v2
yolo_v3
yolo_v3_tiny
yolo_v4
yolo_v5m
yolo_v5s
yolof
yolor_p6
yolo-v2-ava-0001
yolo-v2-ava-sparse-35-0001
yolo-v2-ava-sparse-70-0001
yolo-v2-tiny-ava-0001
yolo-v2-tiny-ava-sparse-30-0001
yolo-v2-tiny-ava-sparse-60-0001
yolo-v2-tiny-vehicle-detection-0001
yolo-v4-tiny

Instance Segmentation

model category

3

number of models

Image Classifiation, Dual Path Network

model category

1

number of models

Semantic Segmentation

model category

19

number of models

Image Classifiation, Emotion

model category

1

number of models

Image Processing, Enhancement

model category

16

number of models

| | |
|--------------------------|------------------|
| Image Translation | 1 |
| model category | number of models |

| | |
|-------------------------|------------------|
| Monodepth | 2 |
| model category | number of models |
| fcrn-dp-nyu-depth-v2-tf | |
| midasnet | |

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|------------------------------------|------------------|
| Natural language Processing | 35 |
| model category | number of models |

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|---------------------|------------------|
| Colorization | 2 |
| model category | number of models |

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|-----------------------|------------------|
| Text Detection | 18 |
| model category | number of models |

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|---------------------------------------|------------------|
| Behavior / Decision Prediction | 1 |
| model category | number of models |

dien_alibaba

| | |
|--------------------------|------------------|
| Audio Enhancement | 3 |
| model category | number of models |

Denoise

noise-suppression-denseunet-ll-0001

noise-suppression-poconetlike-0001

| | |
|---------------------------|------------------|
| Action Recognition | 2 |
| model category | number of models |

i3d-flow

i3d-rgb

| | |
|-----------------------------|------------------|
| Sound Classification | 2 |
| model category | number of models |

aclnet

aclnet-int8

| | |
|--------------------------------|------------------|
| Time Series Forecasting | 1 |
| model category | number of models |

time-series-forecasting-electricity-0001