

Model legend

Mask R-CNN with ResNeXt101 + FPN
backbone

Cascade Mask R-CNN with ResNext152 + FPN
and dConv

Panoptic Segmentation with ResNet101 + FPN
backbone

Cascade panoptic segmentation with
ResNet101 + FPN and dConv

More about each model

Mask R-CNN with ResNeXt101 + FPN
backbone:

7.2 GB training memory

44.3 box average precision

39.5 mask average precision

Inference time: 0.103 seconds per image

Mask R-CNN with ResNeXt152 + FPN + GN

15.1 GB training memory

50.2 box average precision

44.0 mask average precision

Inference time: 0.234 seconds per image

Panoptic Segmentation with ResNet101 + FPN
backbone:

6.0 GB training memory

42.4 box average precision

38.5 mask average precision

Inference time: 0.066 seconds per image

Panoptic segmentation with ResNet101 + FPN
and dConv layers:

11.4 GB training memory

47.4 box average precision

41.3 mask average precision

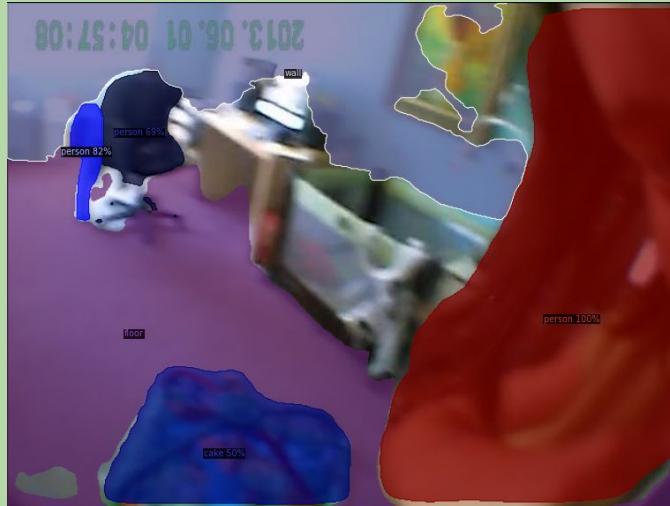
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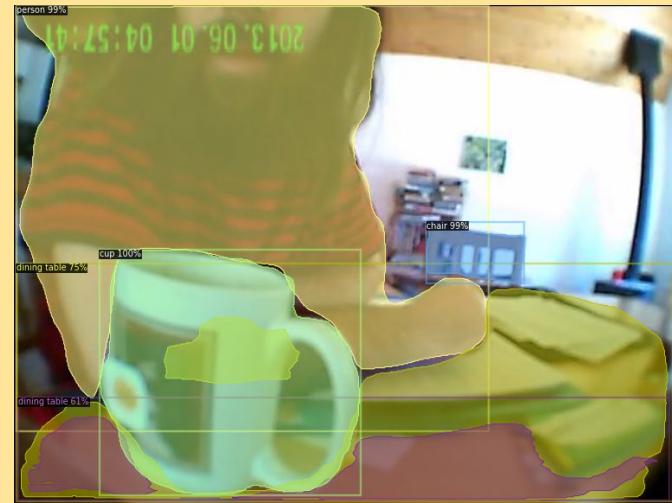






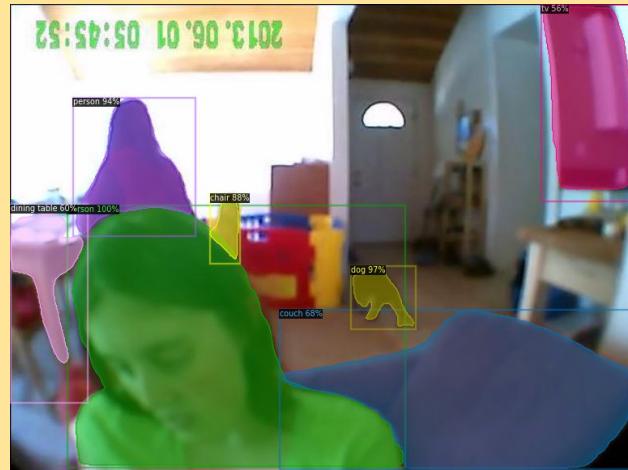
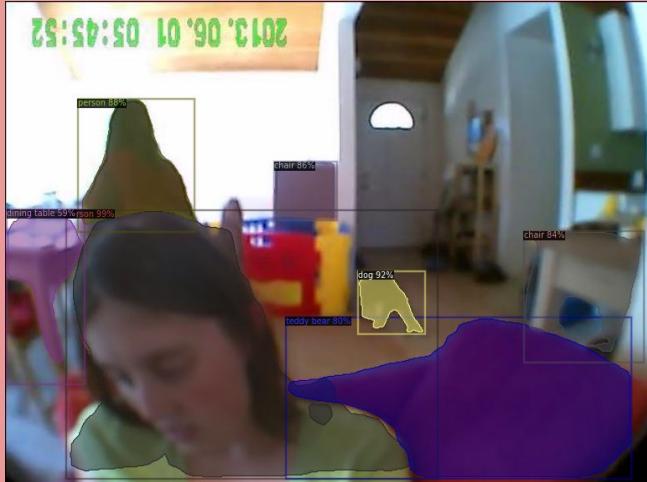




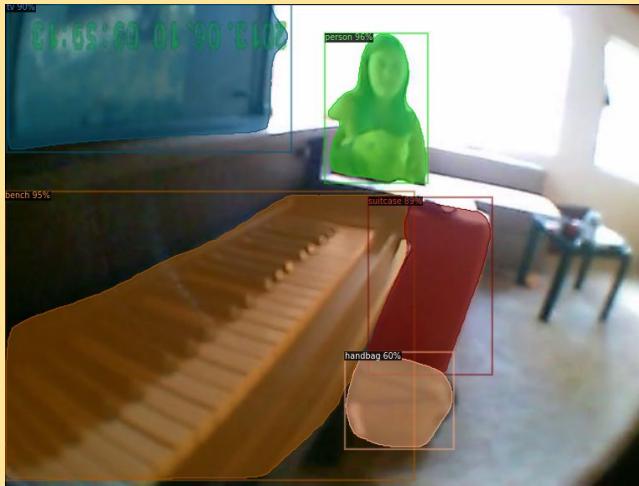


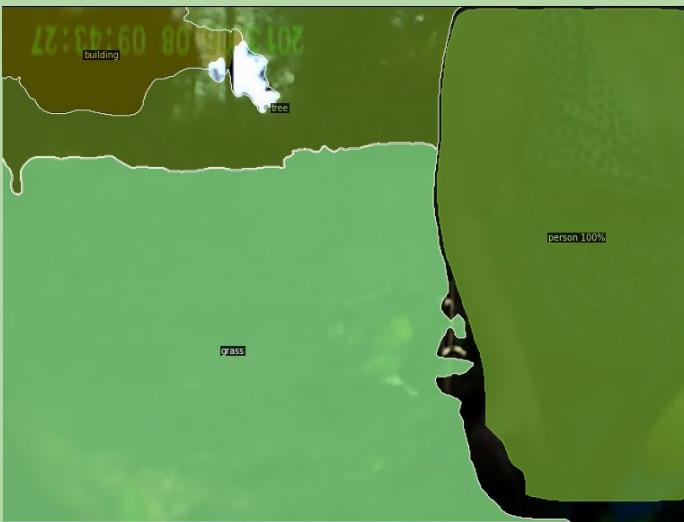














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