PYTORCH HUB

Discover and publish models to a pre-trained model repository designed for research exploration.
Check out the models for Researchers, or learn How It Works.

Contribute Models

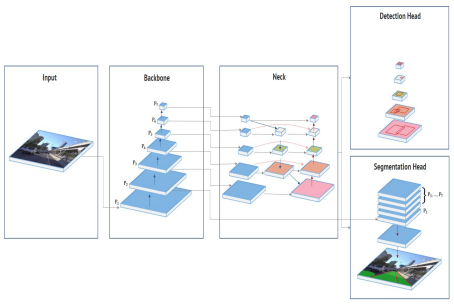
**This is a beta release - we will be collecting feedback and improving the PyTorch Hub over the coming months.*

FOR RESEARCHERS —

EXPLORE AND EXTEND MODELS FROM THE LATEST CUTTING EDGE RESEARCH

HybridNets 531

HybridNets - End2End Perception Network



3D ResNet 3.1k

Resnet Style Video classification networks pretrained on the Kinetics 400 dataset

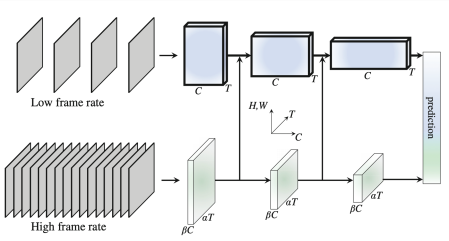
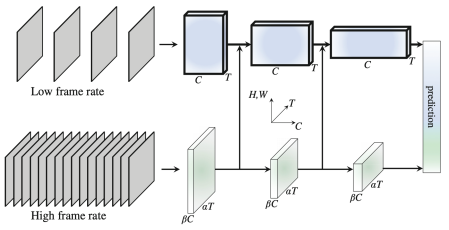


Figure 1. **A SlowFast network** has a low frame rate, low temporal resolution *Slow* pathway and a high frame rate, $\alpha\times$ higher temporal resolution *Fast* pathway. The Fast pathway is lightweight by using a fraction (β, *e.g.*, 1/8) of channels. Lateral connections fuse them.

SlowFast 3.1k

SlowFast networks pretrained on the Kinetics 400 dataset



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X3D 3.1k

X3D networks pretrained on the Kinetics 400 dataset

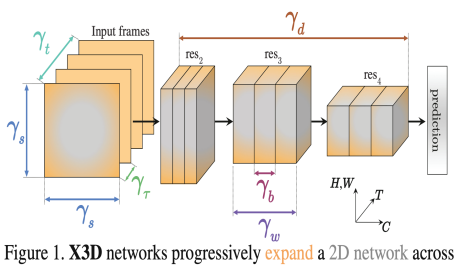
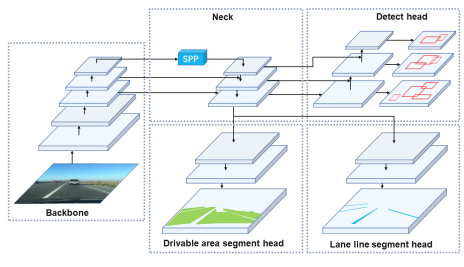


Figure 1. **X3D** networks progressively expand a 2D network across the following axes: Temporal duration γ_t, frame rate γ_τ, spatial resolution γ_s, width γ_w, bottleneck width γ_b, and depth γ_d.

YOLOP 1.7k

YOLOP pretrained on the BDD100K dataset



MiDaS

MiDaS models for computing relative depth from a single image.

All Research Models (52)

HOW IT WORKS —

PUBLISHING MODELS

PyTorch Hub supports publishing pre-trained models (model definitions and pre-trained weights) to a GitHub repository by adding a simple `hubconf.py` file.

LOADING MODELS

Users can load pre-trained models using `torch.hub.load()` API. Here's an example showing how to load the `resnet18` entrypoint from the `pytorch/vision` repo.

```
model = torch.hub.load('pytorch/vision', 'resnet18',
pretrained=True)
```

See Full Documentation

Docs

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