Stage I: Base training

Base Images (Abundant)

Backbone

RPN

RoI Pooling

ROI Feat. Extractor

Box Classifier

Box Regressor

Stage II: Few-shot fine-tuning

Base Shots (Few)

Novel Shots (Few)

Fixed Feature Extractor

Backbone

RPN

RoI Pooling

ROI Feat. Extractor

Box Classifier

Box Regressor