

Configuration	Value	Hyperparameter	Value (YOLOv5)	Value (EffDet)	Value (DT2)
Environment	Linux (Ubuntu-Like)	Epochs	350	350	350
		Classes	6	6	6
Service Provider	Amazon AWS (EC2)	Backbone	CSP Darknet 53	EfficientNet	ResNet
		Bottleneck	PANet	BiFPN	RPN+FPN
Instance Family	p3dn	Head	Yolov3 like	Yolov3 like	RPN+RCNN
		Train Data	7000	7000	7000
vCPU	96	Val Data	2000	2000	2000
		Test Data	1000	1000	1000
Memory	76 GiB	Annotation/Mask format	YOLO TXT	COCO JSON	COCO JSON
		Optimizer	SGD	SGD + Adam	SGD + Adam
Cost (per hour)	31.2 USD	Learning rate	0.1	Adaptive	Adaptive
		Weight Decay (prevent overfit)	0.0005 (Default)	0.0005 (Default)	0.0005 (Default)
GPU	NVIDIA V100 TensorCore	Activation	Leaky ReLU	Leaky ReLU	Sigmoid (Bbox) + Softmax (Class)