Method	Backbone	Crop size	Lr Schd	Inf. Time(fps)	mIoU
DeepLabV3+	R18-D8	512x1024	20k	14.27	0.6506
DeepLabV3+	R50-D8	512x1024	20k	3.94	0.6387
MobileNetV3	MV3-D8	512x1024	20k	15.22	0.6192
BiSeNetV2	--	512x1024	20k	36.65	0.6297

TABLE I. Comparison between different model structure.

Method	Backbone	Lr Schd	mIoU	Train from Scratch
DeepLabV3+	R18-D8	20k	0.379	✓
DeepLabV3+	R18-D8	20k	0.651	✗
DeepLabV3+	R50-D8	20k	0.639	✗
DeepLabV3+	R50-D8	40k	0.679	✗

TABLE II. Converge Speed

Method	Backbone	Lr Schd	Crop Size	mIoU	Data Augmentation
DeepLabV3+	R18-D8	20k	769x769	0.584	✗
DeepLabV3+	R18-D8	20k	1024x1024	0.651	✗
DeepLabV3+	R18-D8	20k	512x1024	0.639	✓
DeepLabV3+	R18-D8	20k	1024x1024	0.681	✓

TABLE III. Data Augmentation Comparison

Method	Backbone	Lr Schd	Crop Size	mIoU	Cross Validation	Train from Scratch
DeepLabV3+	R50-D8	20k	512x1024	0.875	✗	✓
DeepLabV3+	R50-D8	20k	512x1024	0.6387	✓	✗
DeepLabV3+	R18-D8	20k	512x1024	0.6984	✗	✓
DeepLabV3+	R18-D8	20k	512x1024	0.639	✓	✗

TABLE IV. Overfitting Test