

Supplemental Table: Network hyperparameters

Parameter	Setting/value
Batch Size (Training)	4
Batch Size (Validation)	2
Optimizer	Adam
Initial Learning Rate	0.001
Exponential Learning Rate Decay per Epoch	0.99
Number of epochs trained	100
Number of trainable parameters	59,299,153
Space complexity (MB)	678
GPU Specification	GeForce GTX 1080 Ti
Training time (hours)	30