





Scanned with CamScanner

#UNITS: 55* 55* 48 * 2 = 290, 400 - 34, 212 # weights: 96 * 11 * 11 * 3 = 34,848 # connections: # units * 11 * 11 * 3 = 10,542,972 Conv. layer 2: #units: 186,624 # weights: 256 * 5 * 5 * 48 = 307, 200 # connections: # units * 5 x 5 x 48 = 223,948,800

Conv. layer 3: # units: 64,896 # weights: 384 x 3 x 3 x 256 = 884,736 # Connections: # units x 256 * 3 * 3 = 149,520,384 Conv. layer 4: # units: 64,896 # weights: 384 * 3 * 3 * 192 = 663,552 # Connections: #units * 192 x 3 x 3 = 1/2, 140, 288 Conv. layer 5: # crits: 43, 264 # weights: 256 * 3 * 3 * 192 = 442, 368 # Onnections: #units * 192*3*3=74, 760, 192

F.C. layer 1: # units: 4096 # weights: 9216 * 1096 = 37,748, 736 37,748,736 F.C. layer 2: # units: 4096 # weights: 4096 * 4096 = 16,777, # Gnnections: 16,777,216 Output layer: # units: 1000 #weights: 4096 * 1000 = 4,696,000 4,096,600 i. I would reduce the number of F.C. the number o as most of the parameters are in these

ii. I would reduce the number of units of the
Conditional layers. as most of the connection
is those byers. This can be done by
reducing the depth of the convolutional
Part of the model, or having a bigger
stride for kernels, or having more max-pooling
layers (or max-pooling layers with bigger
sizes), or having smaller number of kernels
for each layer.