

Network Architecture	Activation olume	Volume size	Memory
<i>input</i>	256x256x256x1	16777216	67108864
conv(1, 8)	256x256x256x8	134217728	536870912
conv(8, 14)	256x256x256x14	234881024	939524096
maxpool(2)	128x128x128x14	29360128	117440512
conv(14, 14)	128x128x128x14	29360128	117440512
conv(14, 20)	128x128x128x20	41943040	167772160
maxpool(2)	64x64x64x20	5242880	20971520
conv(20, 20)	64x64x64x20	5242880	20971520
conv(20, 26)	64x64x64x26	6815744	27262976
maxpool(2)	32x32x32x26	851968	3407872
conv(26, 26)	32x32x32x26	851968	3407872
conv(26, 32)	32x32x32x32	1048576	4194304
maxpool(2)	16x16x16x32	131072	524288
conv(32, 32)	16x16x16x32	131072	524288
conv(32, 32)	16x16x16x32	131072	524288
maxpool(2)	8x8x8x32	16384	65536
<b>Total</b>		507002880	2028011520 $\approx 1.89$ GB