

Layer	Input / Filter Dimensions	
Input	$512 \times 512 \times 1$	$512 \times 512 \times 1$
Conv1	$8 \times 7 \times 7$	$8 \times 7 \times 7$
MaxPooling	$2 \times 2$	$2 \times 2$
Conv2	$16 \times 5 \times 5$	$16 \times 5 \times 5$
MaxPooling	$2 \times 2$	$2 \times 2$
Conv3	$64 \times 3 \times 3$	
MaxPooling	$2 \times 2$	
Conv4	$64 \times 3 \times 3$	
MaxPooling	$2 \times 2$	
FC1	2048	
FC2	1024	