

Input image
dims

Filter dims

No. of filters

weight, biases

Resultant

After Pooling

1024*1024*1

3*3

4

36,4

511*511*4

255*255*4

255*255*4

2*2

2

8,2

127*127*8

63*63*8

63*63*8

2*2

1

4,1

31*31*8

14*14*8

14*14*8

2*2

4

16,4

7*7*32

2*2*32

2*2*32

1*1

2

2,2

1*1*64

1*1*64

Dimensions of weight matrices.

Input/H1 : 64*32

H1/H2 : 32*15

H2/output : 15*10