Parameter Calculation 32 1 . 2010 (1) gra

((m*n*d)+1)*k

m = Shape of another of the filter

n = Shape of height of the filter

bias.

d = Hof filters in the previous layer.

K = Number of tilters.

Floor W-F+2P +1

0.00	quez-3	set F
Layere	output shape 442,442	Parameter
cmn_1	$\frac{ 442-5+2\times 2 }{1}+1=442$ (4,442,442)	$((5\times5\times1)+1)*4$ = 104
Dropout	(4,442,442)	0
Relu	(4,442,442)	0
Maxpool	(442-2+0]+1=221 $(4,221,221)$	0
Cnn-2	$\begin{bmatrix} 221 - 5 + 4 \\ 1 \end{bmatrix} + 1 = 221$ (8.221, 221)	((5 * 5 * 4) + 1) * 8 = 808
ReLu	(8,221,221)	
maxpool	$\left[\frac{221-2+0}{2}\right]+1=110$ (8,110,110)	
Flatten	8×110×110=96800	0
Linear - 1	<i>5</i> 12	(96800X512)+512 = 49562112
Relu	512	0
Linear- 2	128	(512×128) +128=65664
Rehi	128	0
Linear-3	10	(128×10)+10:1200
output	Total = (49629978)	

Input (438, 438) of telesial represent

input -> conv (3,2,16) -> mempool(4) -> ReLU-> maxpool(3) ->

FCW (256) -> PC(5) -> output.

conv(x,y,z) x -> kernel size; y = striede, z = output channel
men/maxpool(x) -> both window size 4 stride = x.

FCOD - aith bias FC - acithout blas.

inputlay	er output shape	parameter
Priput	(438, 438)	
Conv	$\frac{ 438 - 3 + 0 \times 2 }{2} + 1 = 2$ (16, 218, 218)	18 ((3*3*1)+1)*16 = 160
mempool	$\frac{218 - 4 + 2x0}{4} + 1 = 54$	0
Relu	16,54,54)	0
maxpool	154-3×2×0)+1=18	0
	A6,18,18)	flatten mg
FCWB	256	(16×18×18)×256 + 256 = 1327360
Fc	5	256×5 = 1280
output	5	0