	Layer	Kernel Size	No. of Nodes	Stride	Padding	Output Size
1	Input	-	-	-	-	320 x 320 x 1
2	Conv2D	11 x 11	8	1 x 1	same	320 x 320 x 8
3	Batch Normalization	-	-	-	-	320 x 320 x 8
4	Max Pooling 2D	2 x 2	-	1 x 1	-	160 x 160 x 8
5	Dropout	-	-	-	-	160 x 160 x 8
6	Conv2D	11 x 11	8	1 x 1	same	160 x 160 x 8
7	Batch Normalization	-	-	-	-	160 x 160 x 8
8	Max Pooling 2D	2 x 2	-	1 x 1	-	80 x 80 x 8
9	Dropout	-	-	-	-	80 x 80 x 8
10	Conv2D	11 x 11	16	1 x 1	same	80 x 80 x 16
11	Batch Normalization	-	-	-	-	80 x 80 x 16
12	Max Pooling 2D	2 x 2	-	1 x 1	-	40 x 40 x 16
13	Dropout	-	-	-	-	40 x 40 x 16
14	Conv2D	11 x 11	16	1 x 1	same	40 x 40 x 16
15	Batch Normalization	-	-	-	-	40 x 40 x 16
16	Max Pooling 2D	2 x 2	-	1 x 1	-	20 x 20 x 16
17	Dropout	-	-	-	-	20 x 20 x 16
18	Conv2D	11 x 11	32	1 x 1	same	20 x 20 x 32
19	Batch Normalization	-	-	-	-	20 x 20 x 32
20	Max Pooling 2D	2 x 2	-	1 x 1	-	10 x 10 x 32
21	Dropout	-	-	-	-	10 x 10 x 32
22	Conv2D	11 x 11	32	1 x 1	same	10 x 10 x 32
23	Batch Normalization	-	-	-	-	10 x 10 x 32
24	Max Pooling 2D	2 x 2	-	1 x 1	-	5 x 5 x 32
25	Dropout	-	-	-	-	5 x 5 x 32
26	Conv2D	11 x 11	64	1 x 1	same	5 x 5 x 64
27	Batch Normalization	-	-	-	-	5 x 5 x 64
28	Max Pooling 2D	2 x 2	-	1 x 1	-	2 x 2 x 64
29	Dropout	-	-	-	-	2 x 2 x 64
30	Conv2D	11 x 11	64	1 x 1	same	2 x 2 x 64
31	Batch Normalization	-	-	-	-	2 x 2 x 64
32	Dropout	-	-	-	-	2 x 2 x 64
33	Flatten	-	-	-	-	256
34	Fully Connected	-	256	-	-	1
35	Output	-	-	-	-	1