| Input Size | NDSB Net |
|---|---|
| $70 \times 70$ | 3x3, 32 |
| $70 \times 70$ | 3x3, 32 |
| $70 \times 70$ | 3x3, max pooling, /2 |
| $35 \times 35$ | 3x3, 64 |
| $35 \times 35$ | 3x3, 64 |
| $35 \times 35$ | 3x3, 64 |
| $35 \times 35$ | 3x3, max pooling, /2 |
| $17 \times 17$ | split: branch1 — branch 2 |
| $17 \times 17$ | 3x3, 96 — 3x3, 96 |
| $17 \times 17$ | 3x3, 96 — 3x3, 96 |
| $17 \times 17$ | 3x3, 96 — 3x3, 96 |
| $17 \times 17$ | 3x3, 96 |
| $17 \times 17$ | channel concat, 192 |
| $17 \times 17$ | 3x3, max pooling, /2 |
| $8 \times 8$ | 3x3, 256 |
| $8 \times 8$ | 3x3, 256 |
| $8 \times 8$ | 3x3, 256 |
| $8 \times 8$ | 3x3, 256 |
| $8 \times 8$ | 3x3, 256 |
| $8 \times 8$ | SPP $\{1, 2, 4\}$ |
| $12544 \times 1$ | flatten |
| $1024 \times 1$ | fc1 |
| $1024 \times 1$ | fc2 |
| 121 | softmax |