| | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | | | | | MACs | Filter Cx |
|----------------------------------|---------|----------|----------|------------|------------|--------|--------|--------|--------|--------------------|--------------|
| Repeats | 1 | 1 | 1 | 7 | 4 | | | | | 187708416 | 2304072 |
| Channels Groups | 24 1 | 24 3 | 56 7 | 152 19 | 368 46 | | | | | | |
| Stride | 1 | 1 | 2 | 2 | 2 | | | | | | |
| Stride | - | - | _ | _ | - | | | | | | |
| | Repeat | Out H | Out W | No | Ni | Fr | Fc | s | G | MACs | Filter Cx |
| Input | | 56 | 56 | 3 | | | | | | | |
| Level 1 stem Conv, BN, ReLU | 1 | 56 | 56 | 24 | 3 | 3 | 3 | 1 | 1 | 2032128 | 648 |
| Level 2 block | - | 30 | 30 | 24 | 3 | 3 | 3 | - | - | 2032120 | 040 |
| Split right | | | | | | | | | | | |
| Conv, BN, ReLU | 1 | 56 | 56 | 24 | 24 | 1 | 1 | 1 | 1 | 1806336 | 576 |
| Conv, BN, ReLU | 1 | 56 | 56 | 24 | 24 | 3 | 3 | 1 | 3 | 5419008 | 1728 |
| Conv, BN | 1 | 56 | 56 | 24 | 24 | 1 | 1 | 1 | 1 | 1806336 | 576 |
| Split left | | 5.0 | 5.0 | 24 | 24 | | | | | | |
| Identity Add, ReLU | 1 1 | 56 56 | 56 56 | 24 24 | 24 24 | | | | | | |
| Level 3 transition | 1 | 50 | 50 | 24 | 24 | | | | | | |
| Split right | | | | | | | | | | | |
| Conv, BN, ReLU | 1 | 56 | 56 | 56 | 24 | 1 | 1 | 1 | 1 | 4214784 | 1344 |
| Conv, BN, ReLU | 1 | 28 | 28 | 56 | 56 | 3 | 3 | 2 | 7 | 3161088 | 4032 |
| Conv, BN | 1 | 28 | 28 | 56 | 56 | 1 | 1 | 1 | 1 | 2458624 | 3136 |
| Split left | | | | | | | | | | | |
| Conv, BN | 1 | 28 | 28 | 56 | 24 | 1 | 1 | 2 | 1 | 1053696 | 1344 |
| Add, ReLU | 1 | 28 | 28 | 56 | 56 | | | | | | |
| Level 3 block | | | | | | | | | | | |
| Split right | 4 | 20 | 20 | 5.0 | 5.0 | 4 | 4 | 4 | 4 | 2450624 | 2426 |
| Conv, BN, ReLU Conv, BN, ReLU | 1 1 | 28 28 | 28 28 | 56 56 | 56 56 | 1 3 | 1 3 | 1 1 | 1 7 | 2458624 3161088 | 3136 4032 |
| Conv, BN, ReLo | 1 | 28 | 28 | 56 | 56 | 1 | 1 | 1 | 1 | 2458624 | 3136 |
| Split left | - | 20 | 20 | 30 | 30 | - | - | - | - | 2430024 | 3130 |
| Identity | 1 | 28 | 28 | 56 | 56 | | | | | | |
| Add, ReLU | 1 | 28 | 28 | 56 | 56 | | | | | | |
| Level 4 transition | | | | | | | | | | | |
| Split right | | | | | | | | | | | |
| Conv, BN, ReLU | 1 | 28 | 28 | 152 | 56 | 1 | 1 | 1 | 1 | 6673408 | 8512 |
| Conv, BN, ReLU | 1 | 14 | 14 | 152 | 152 | 3 | 3 | 2 | 19 | 2145024 | 10944 |
| Conv, BN Split left | 1 | 14 | 14 | 152 | 152 | 1 | 1 | 1 | 1 | 4528384 | 23104 |
| Conv, BN | 1 | 14 | 14 | 152 | 56 | 1 | 1 | 2 | 1 | 1668352 | 8512 |
| Add, ReLU | 1 | 14 | 14 | 152 | 152 | - | - | - | - | 1000332 | 0312 |
| Level 4 block | | | | | | | | | | | |
| Split right | | | | | | | | | | | |
| Conv, BN, ReLU | 3 | 14 | 14 | 152 | 152 | 1 | 1 | 1 | 1 | 13585152 | 69312 |
| Conv, BN, ReLU | 3 | 14 | 14 | 152 | 152 | 3 | 3 | 1 | 19 | 6435072 | 32832 |
| Conv, BN | 3 | 14 | 14 | 152 | 152 | 1 | 1 | 1 | 1 | 13585152 | 69312 |
| Split left | 2 | 1.1 | 4.4 | 452 | 452 | | | | | | |
| Identity Add, ReLU | 3 3 | 14 14 | 14 14 | 152 152 | 152 152 | | | | | | |
| Level 5 transition | 3 | 14 | 14 | 132 | 132 | | | | | | |
| Split right | | | | | | | | | | | |
| Conv, BN, ReLU | 1 | 14 | 14 | 368 | 152 | 1 | 1 | 1 | 1 | 10963456 | 55936 |
| Conv, BN, ReLU | 1 | 7 | 7 | 368 | 368 | 3 | 3 | 2 | 46 | 1298304 | 26496 |
| Conv, BN | 1 | 7 | 7 | 368 | 368 | 1 | 1 | 1 | 1 | 6635776 | 135424 |
| Split left | | | | | | | | | | | |
| Conv, BN | 1 | 7 | 7 | 368 | 152 | 1 | 1 | 2 | 1 | 2740864 | 55936 |
| Add, ReLU | 1 | 7 | 7 | 368 | 368 | | | | | | |
| Level 5 block Split right | | | | | | | | | | | |
| Conv, BN, ReLU | 6 | 7 | 7 | 368 | 368 | 1 | 1 | 1 | 1 | 39814656 | 812544 |
| Conv, BN, ReLU | 6 | 7 | 7 | 368 | 368 | 3 | 3 | 1 | 46 | 7789824 | 158976 |
| Conv, BN | 6 | 7 | 7 | 368 | 368 | 1 | 1 | 1 | 1 | 39814656 | 812544 |
| Split left | | | | | | | | | | | |
| Identity | 6 | 7 | 7 | 368 | 368 | | | | | | |
| Add, ReLU | 6 | 7 | 7 | 368 | 368 | | | | | | |
| Decoder | | | | | | | | | | | |
| Global avg pool | 1 | 1 | 1 | 368 | 368 | | | | | | |
| Linear | 1 | 1 | 1 | 100 | 368 | | | | | | |
| Total | | | | | | | | | | 187708416 | 2304072 |