

| Layer | Type | Number of Filters | Filter Size | Stride | Pooling Size | Activation | Parameters (Approximate) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Convolutional | 64 | 3x3 | 3 | - | ReLU | 38,464 |
| 2 | Convolutional | 128 | 3x3 | 3 | - | ReLU | 73,856 |
| 3 | Max Pooling | - | 2x2 | 2 | - | - | 0 |
| 4 | Convolutional | 256 | 3x3 | 3 | - | ReLU | 295,168 |
| 5 | Convolutional | 512 | 3x3 | 3 | - | ReLU | 1,180,160 |
| 6 | Max Pooling | - | 2x2 | 2 | - | - | 0 |
| 7 | Convolutional | 512 | 3x3 | 3 | - | ReLU | 2,360,320 |
| 8 | Convolutional | 512 | 3x3 | 3 | - | ReLU | 2,360,320 |
| 9 | Max Pooling | - | 2x2 | 2 | - | - | 0 |
| 10 | Flatten | - | - | - | - | - | 0 |
| 11 | SVM Layer | 6 (output classes) | - | - | - | - | - |

Total Parameters (CNN, Approximate): 6,306,768