|          | Type                    | Filter size | Stride | Filter number | Padding | Number of blocks | Fu |
|----------|-------------------------|-------------|--------|---------------|---------|------------------|----|
| Block 1  | Convolution             | 3           | 1      | 64            | 100     | × 2              |    |
|          | ReLU                    | -           | -      | -             |         |                  |    |
| Block 2  | Max Pool                | 2           | 2      | -             | 0       | $\times 1$       |    |
| Block 3  | Convolution             | 3           | 1      | 128           | 1       | $\times 2$       |    |
|          | ReLU                    | -           | -      | -             | -       | X Z              |    |
| Block 4  | Max Pool                | 2           | 2      | -             | 0       | $\times 1$       |    |
| Block 5  | Convolution             | 3           | 1      | 256           | 1       | $\times$ 3       |    |
|          | ReLU                    | -           | -      | -             | -       | х э              |    |
| Block 6  | Max Pool                | 2           | 2      | -             | 0       | $\times 1$       |    |
| Block 7  | Convolution             | 3           | 1      | 512           | 1       | $\times$ 3       |    |
|          | ReLU                    | -           | -      | -             | -       |                  |    |
| Block 8  | Max Pool                | 2           | 2      | -             | 0       | $\times 1$       |    |
| Block 9  | Convolution             | 3           | 1      | 512           | 1       | $\times$ 3       |    |
|          | ReLU                    | -           | -      | -             | -       | х э              |    |
| Block 10 | Max Pool                | 2           | 2      | -             | 0       | $\times 1$       |    |
| Block 11 | Convolution             | 7           | 1      | 4096          | 0       | $\times 2$       |    |
|          | ReLU                    | -           | -      | -             | -       | X Z              |    |
| Block 12 | Convolution             | 1           | 1      | 21            | 0       | $\times 1$       |    |
| Block 13 | Deconvolution           | 4           | 2      | 21            | -       |                  |    |
| Block 14 | Convolution             | 1           | 1      | 21            | 0       |                  |    |
| Block 15 | $\operatorname{Crop}$   | -           | -      | -             | -       | × 1              |    |
|          | Element-wise Fuse       | -           | -      | -             | -       |                  | ×  |
|          | Deconvolution           | 4           | 2      | 21            | -       |                  |    |
|          | Convolution             | 1           | 1      | 21            | 0       |                  |    |
|          | $\operatorname{Crop}$   | -           | -      | -             | -       | × 1              | ×  |
|          | Eltwise                 | -           | -      | -             | -       |                  |    |
|          | Deconvolution           | 16          | 8      | 21            | -       |                  |    |
| Block 16 | $\operatorname{Crop}$   | -           | -      | -             | -       | $\times 1$       |    |
| Block 17 | Convolution             | 1           | 1      | 2             | 0       | $\times 1$       |    |
| Block 17 | Dice                    | -           | -      | -             | -       | $\times 1$       |    |
| Block 19 | ${\bf SoftmaxWithLoss}$ | -           | -      | -             | -       | $\times 1$       |    |