

Layer	Filter size	Stride	Number of filters	Output shape
Input	-	-	-	$64 \times 64 \times 3$
Conv-block	$3 \times 3$	1	32	$64 \times 64 \times 32$
Max Pooling	$2 \times 2$	1	-	$32 \times 32 \times 32$
Res-block 1	-	-	$n = 64$	$16 \times 16 \times 256$
Res-block 2	-	-	$n = 128$	$8 \times 8 \times 256$
Res-block 3	-	-	$n = 256$	$4 \times 4 \times 256$
Res-block 4	-	-	$n = 512$	$4 \times 4 \times 256$
Deconv1	$3 \times 3$	2	21	$8 \times 8 \times 21$
Deconv2	$3 \times 3$	2	21	$16 \times 16 \times 21$
Deconv3	$3 \times 3$	2	21	$32 \times 32 \times 21$
Deconv4	$3 \times 3$	2	21	$64 \times 64 \times 21$
Conv	$1 \times 1$	-	1	$64 \times 64 \times 1$