Layer Name	Dimension	Layer Operations
data	$256 \times 256 \times 3$	Conv$(4, 4, 3, 16)$-'SAME'
e1	$128 \times 128 \times 16$	Leaky Relu-Conv$(4, 4, 16, 32)$-'SAME'-Batch_Norm
e2	$64 \times 64 \times 32$	Leaky Relu-Conv$(4, 4, 32, 64)$-'SAME'-Batch_Norm
e3	$32 \times 32 \times 64$	Leaky Relu-Conv$(4, 4, 64, 128)$-'SAME'-Batch_Norm
e4	$16 \times 16 \times 128$	Leaky Relu-Conv$(4, 4, 128, 128)$-'SAME'-Batch_Norm
e5	$8 \times 8 \times 128$	Leaky Relu-Conv$(4, 4, 128, 128)$-'SAME'-Batch_Norm
e6	$4 \times 4 \times 128$	Leaky Relu-Conv$(4, 4, 128, 128)$-'SAME'-Batch_Norm
e7	$2 \times 2 \times 128$	Leaky Relu-Conv$(4, 4, 128, 128)$-'SAME'-Batch_Norm
e8	$1 \times 1 \times 128$	Relu-Conv_Trans$(4, 4, 128, 128)$-'SAME'-Batch_Norm-Cancat(e7)
d1	$2 \times 2 \times 256$	Relu-Conv_Trans$(4, 4, 256, 128)$-'SAME'-Batch_Norm-Cancat(e6)
d2	$4 \times 4 \times 256$	Relu-Conv_Trans$(4, 4, 256, 128)$-'SAME'-Batch_Norm-Cancat(e5)
d3	$8 \times 8 \times 256$	Relu-Conv_Trans$(4, 4, 256, 128)$-'SAME'-Batch_Norm-Cancat(e4)
d4	$16 \times 16 \times 256$	Relu-Conv_Trans$(4, 4, 256, 64)$-'SAME'-Batch_Norm-Cancat(e3)
d5	$32 \times 232 \times 128$	Relu-Conv_Trans$(4, 4, 128, 32)$-'SAME'-Batch_Norm-Cancat(e2)
d6	$64 \times 64 \times 64$	Relu-Conv_Trans$(4, 4, 64, 16)$-'SAME'-Batch_Norm-Cancat(e1)
d7	$128 \times 1282 \times 32$	Relu-Conv_Trans$(4, 4, 32, 3)$-'SAME'-Tanh
d8	$256 \times 256 \times 3$	