

Layer	Layer type and parameters	Activation size
Input	Input image	$88 \times 288 \times 3$
conv1	Conv. $5 \times 5 \times 32$ stride 2	$44 \times 144 \times 32$
conv-lstm1	Conv-LSTM $5 \times 5 \times 32$	$44 \times 144 \times 32$
conv2	Conv. $3 \times 3 \times 64$ stride 2	$22 \times 72 \times 64$
conv-lstm2	Conv-LSTM $5 \times 5 \times 64$	$22 \times 72 \times 64$
conv3	Conv. $3 \times 3 \times 128$ stride 2	$11 \times 36 \times 128$
conv-lstm3	Conv-LSTM $5 \times 5 \times 128$	$11 \times 36 \times 128$
ds1	Depth-to-Space block size 2	$22 \times 72 \times 32$
conv4	Conv. $3 \times 3 \times 64$ stride 1	$22 \times 72 \times 64$
conv-lstm4	Conv-LSTM $5 \times 5 \times 64$	$22 \times 72 \times 64$
ds2	Depth-to-Space block size 2	$44 \times 144 \times 16$
conv5	Conv. $3 \times 3 \times 32$ stride 1	$44 \times 144 \times 32$
conv-lstm5	Conv-LSTM $5 \times 5 \times 32$	$44 \times 144 \times 32$
ds3	Depth-to-Space block size 2	$88 \times 288 \times 8$
conv6	Conv. $5 \times 5 \times 1$ stride 1	$88 \times 288 \times 1$
sigmoid	Sigmoid	$88 \times 288 \times 1$