Layer (type)	Output Shape	Param #
conv2d_1 (Conv2D)	(None, 224, 224, 64)	640
activation_1 (Activation)	(None, 224, 224, 64)	0
conv2d_2 (Conv2D)	(None, 112, 112, 64)	36928
activation_2 (Activation)	(None, 112, 112, 64)	0
batch_normalization_1 (Batch	(None, 112, 112, 64)	256
conv2d_3 (Conv2D)	(None, 112, 112, 128)	73856
activation_3 (Activation)	(None, 112, 112, 128)	0
conv2d_4 (Conv2D)	(None, 56, 56, 128)	147584
activation_4 (Activation)	(None, 56, 56, 128)	0
batch_normalization_2 (Batch	(None, 56, 56, 128)	512
conv2d_5 (Conv2D)	(None, 56, 56, 256)	295168
activation_5 (Activation)	(None, 56, 56, 256)	0
conv2d_6 (Conv2D)	(None, 56, 56, 256)	590080
activation_6 (Activation)	(None, 56, 56, 256)	0
conv2d_7 (Conv2D)	(None, 28, 28, 256)	590080
activation_7 (Activation)	(None, 28, 28, 256)	0
batch_normalization_3 (Batch	(None, 28, 28, 256)	1024
conv2d_8 (Conv2D)	(None, 28, 28, 512)	1180160
activation_8 (Activation)	(None, 28, 28, 512)	0
conv2d_9 (Conv2D)	(None, 28, 28, 512)	2359808
activation_9 (Activation)	(None, 28, 28, 512)	0
conv2d_10 (Conv2D)	(None, 28, 28, 512)	2359808
activation_10 (Activation)	(None, 28, 28, 512)	0
batch_normalization_4 (Batch	(None, 28, 28, 512)	2048
conv2d_11 (Conv2D)	(None, 28, 28, 512)	2359808
activation_11 (Activation)	(None, 28, 28, 512)	0
conv2d_12 (Conv2D)	(None, 28, 28, 512)	2359808
activation_12 (Activation)	(None, 28, 28, 512)	0

Layer	Output Shape	Param #
conv2d_13 (Conv2D)	(None, 28, 28, 512)	2359808
activation_13 (Activation)	(None, 28, 28, 512)	0
batch_normalization_5 (Batch	(None, 28, 28, 512)	2048
conv2d_14 (Conv2D)	(None, 28, 28, 512)	2359808
activation_14 (Activation)	(None, 28, 28, 512)	0
conv2d_15 (Conv2D)	(None, 28, 28, 512)	2359808
activation_15 (Activation)	(None, 28, 28, 512)	0
conv2d_16 (Conv2D)	(None, 28, 28, 512)	2359808
activation_16 (Activation)	(None, 28, 28, 512)	0
batch_normalization_6 (Batch	(None, 28, 28, 512)	2048
conv2d_17 (Conv2D)	(None, 28, 28, 512)	2359808
activation_17 (Activation)	(None, 28, 28, 512)	0
conv2d_18 (Conv2D)	(None, 28, 28, 512)	2359808
activation_18 (Activation)	(None, 28, 28, 512)	0
conv2d_19 (Conv2D)	(None, 28, 28, 512)	2359808
activation_19 (Activation)	(None, 28, 28, 512)	0
batch_normalization_7 (Batch	(None, 28, 28, 512)	2048
conv2d_20 (Conv2D)	(None, 14, 14, 256)	1179904
activation_20 (Activation)	(None, 14, 14, 256)	0
conv2d_21 (Conv2D)	(None, 14, 14, 256)	590080
activation_21 (Activation)	(None, 14, 14, 256)	0
conv2d_22 (Conv2D)	(None, 14, 14, 256)	590080
activation_22 (Activation)	(None, 14, 14, 256)	0
conv2d_23 (Conv2D)	(None, 14, 14, 121)	31097
activation_23 (Activation)	(None, 14, 14, 121)	0
conv2d_transpose_1 (Conv2DTr	(None, 224, 224, 121)	131890
conv2d_24 (Conv2D)	(None, 224, 224, 121)	14762

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Total params: 31,420,181
Trainable params: 31,415,189
Non-trainable params: 4,992
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