Model: "model\_17"

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Layer (type) Output Shape Param # Connected to

==================================================================================================

input\_18 (InputLayer) (None, 50, 50, 3) 0

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conv2d\_109 (Conv2D) (None, 50, 50, 16) 48 input\_18[0][0]

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conv2d\_111 (Conv2D) (None, 50, 50, 16) 48 input\_18[0][0]

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batch\_normalization\_102 (BatchN (None, 50, 50, 16) 64 conv2d\_109[0][0]

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batch\_normalization\_104 (BatchN (None, 50, 50, 16) 64 conv2d\_111[0][0]

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activation\_102 (Activation) (None, 50, 50, 16) 0 batch\_normalization\_102[0][0]

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activation\_104 (Activation) (None, 50, 50, 16) 0 batch\_normalization\_104[0][0]

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average\_pooling2d\_25 (AveragePo (None, 50, 50, 3) 0 input\_18[0][0]

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conv2d\_108 (Conv2D) (None, 50, 50, 16) 48 input\_18[0][0]

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conv2d\_110 (Conv2D) (None, 50, 50, 48) 6912 activation\_102[0][0]

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conv2d\_112 (Conv2D) (None, 50, 50, 24) 9600 activation\_104[0][0]

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conv2d\_113 (Conv2D) (None, 50, 50, 16) 48 average\_pooling2d\_25[0][0]

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batch\_normalization\_101 (BatchN (None, 50, 50, 16) 64 conv2d\_108[0][0]

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batch\_normalization\_103 (BatchN (None, 50, 50, 48) 192 conv2d\_110[0][0]

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batch\_normalization\_105 (BatchN (None, 50, 50, 24) 96 conv2d\_112[0][0]

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batch\_normalization\_106 (BatchN (None, 50, 50, 16) 64 conv2d\_113[0][0]

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activation\_101 (Activation) (None, 50, 50, 16) 0 batch\_normalization\_101[0][0]

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activation\_103 (Activation) (None, 50, 50, 48) 0 batch\_normalization\_103[0][0]

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activation\_105 (Activation) (None, 50, 50, 24) 0 batch\_normalization\_105[0][0]

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activation\_106 (Activation) (None, 50, 50, 16) 0 batch\_normalization\_106[0][0]

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concatenate\_18 (Concatenate) (None, 50, 50, 104) 0 activation\_101[0][0]

activation\_103[0][0]

activation\_105[0][0]

activation\_106[0][0]

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conv2d\_114 (Conv2D) (None, 50, 50, 16) 1664 concatenate\_18[0][0]

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flatten\_17 (Flatten) (None, 40000) 0 conv2d\_114[0][0]

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dense\_33 (Dense) (None, 48) 1920048 flatten\_17[0][0]

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dense\_34 (Dense) (None, 1) 49 dense\_33[0][0]

==================================================================================================

Total params: 1,939,009

Trainable params: 1,938,737

Non-trainable params: 272