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Layer (type) Output Shape Param # Connected to

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convolution2d\_1 (Convolution2D) (None, 32, 64, 64) 896 convolution2d\_input\_1[0][0]

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activation\_1 (Activation) (None, 32, 64, 64) 0 convolution2d\_1[0][0]

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convolution2d\_2 (Convolution2D) (None, 32, 62, 62) 9248 activation\_1[0][0]

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activation\_2 (Activation) (None, 32, 62, 62) 0 convolution2d\_2[0][0]

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maxpooling2d\_1 (MaxPooling2D) (None, 32, 31, 31) 0 activation\_2[0][0]

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dropout\_1 (Dropout) (None, 32, 31, 31) 0 maxpooling2d\_1[0][0]

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convolution2d\_3 (Convolution2D) (None, 64, 31, 31) 18496 dropout\_1[0][0]

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activation\_3 (Activation) (None, 64, 31, 31) 0 convolution2d\_3[0][0]

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convolution2d\_4 (Convolution2D) (None, 64, 29, 29) 36928 activation\_3[0][0]

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activation\_4 (Activation) (None, 64, 29, 29) 0 convolution2d\_4[0][0]

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maxpooling2d\_2 (MaxPooling2D) (None, 64, 14, 14) 0 activation\_4[0][0]

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dropout\_2 (Dropout) (None, 64, 14, 14) 0 maxpooling2d\_2[0][0]

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flatten\_1 (Flatten) (None, 12544) 0 dropout\_2[0][0]

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dense\_1 (Dense) (None, 512) 6423040 flatten\_1[0][0]

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activation\_5 (Activation) (None, 512) 0 dense\_1[0][0]

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dropout\_3 (Dropout) (None, 512) 0 activation\_5[0][0]

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dense\_2 (Dense) (None, 2) 1026 dropout\_3[0][0]

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activation\_6 (Activation) (None, 2) 0 dense\_2[0][0]

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Total params: 6489634