Layer (type) Output Shape Param # Connected to

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input\_2 (InputLayer) (None, 101, 100, 1) 0

lambda\_1 (Lambda) (None, 1, 100, 1) 0 input\_2[0][0]

lambda\_3 (Lambda) (None, 100, 100, 1) 0 input\_2[0][0]

lambda\_2 (Lambda) (None, 100, 100, 1) 0 lambda\_1[0][0]

concatenate\_2 (Concatenate) (None, 100, 100, 2) 0 lambda\_3[0][0]

lambda\_2[0][0]

conv2d\_1 (Conv2D) (None, 50, 50, 16) 784 concatenate\_2[0][0]

leaky\_re\_lu\_4 (LeakyReLU) (None, 50, 50, 16) 0 conv2d\_1[0][0]

dropout\_2 (Dropout) (None, 50, 50, 16) 0 leaky\_re\_lu\_4[0][0]

conv2d\_2 (Conv2D) (None, 25, 25, 32) 12320 dropout\_2[0][0]

leaky\_re\_lu\_5 (LeakyReLU) (None, 25, 25, 32) 0 conv2d\_2[0][0]

dropout\_3 (Dropout) (None, 25, 25, 32) 0 leaky\_re\_lu\_5[0][0]

flatten\_1 (Flatten) (None, 20000) 0 dropout\_3[0][0]

dense\_3 (Dense) (None, 16) 320016 flatten\_1[0][0]

leaky\_re\_lu\_6 (LeakyReLU) (None, 16) 0 dense\_3[0][0]

dropout\_4 (Dropout) (None, 16) 0 leaky\_re\_lu\_6[0][0]

dense\_4 (Dense) (None, 1) 17 dropout\_4[0][0]

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Total params: 333,137

Trainable params: 333,137

Non-trainable params: 0

