

input_depth: InputLayer	input:	(None, 1, 46, 46)
	output:	(None, 1, 46, 46)



input_depth_1_conv: Conv2D	input:	(None, 1, 46, 46)
	output:	(None, 24, 44, 44)



input_depth_1_bn: BatchNormalization	input:	(None, 24, 44, 44)
	output:	(None, 24, 44, 44)



input_depth_1_act: Activation	input:	(None, 24, 44, 44)
	output:	(None, 24, 44, 44)



input_depth_2_conv: Conv2D	input:	(None, 24, 44, 44)
	output:	(None, 24, 42, 42)



input_depth_2_bn: BatchNormalization	input:	(None, 24, 42, 42)
	output:	(None, 24, 42, 42)



input_depth_2_act: Activation	input:	(None, 24, 42, 42)
	output:	(None, 24, 42, 42)



main_1_pool: MaxPooling2D	input:	(None, 24, 42, 42)
	output:	(None, 24, 21, 21)



main_2_conv: Conv2D	input:	(None, 24, 21, 21)
	output:	(None, 48, 19, 19)



main_2_bn: BatchNormalization	input:	(None, 48, 19, 19)
	output:	(None, 48, 19, 19)



main_2_act: Activation	input:	(None, 48, 19, 19)
	output:	(None, 48, 19, 19)



main_3_conv: Conv2D	input:	(None, 48, 19, 19)
	output:	(None, 48, 17, 17)



main_3_bn: BatchNormalization	input:	(None, 48, 17, 17)
	output:	(None, 48, 17, 17)



main_3_act: Activation	input:	(None, 48, 17, 17)
	output:	(None, 48, 17, 17)



main_5_pad: ZeroPadding2D	input:	(None, 48, 17, 17)
	output:	(None, 48, 18, 18)



main_5_pool: MaxPooling2D	input:	(None, 48, 18, 18)
	output:	(None, 48, 9, 9)



main_6_conv: Conv2D	input:	(None, 48, 9, 9)
	output:	(None, 64, 7, 7)



main_6_bn: BatchNormalization	input:	(None, 64, 7, 7)
	output:	(None, 64, 7, 7)



main_6_act: Activation	input:	(None, 64, 7, 7)
	output:	(None, 64, 7, 7)



main_7_conv: Conv2D	input:	(None, 64, 7, 7)
	output:	(None, 64, 5, 5)



main_7_bn: BatchNormalization	input:	(None, 64, 5, 5)
	output:	(None, 64, 5, 5)



main_7_act: Activation	input:	(None, 64, 5, 5)
	output:	(None, 64, 5, 5)



output_1_flatten: Flatten	input:	(None, 64, 5, 5)
	output:	(None, 1600)



output_2_dropout: Dropout	input:	(None, 1600)
	output:	(None, 1600)



output_2_dense: Dense	input:	(None, 1600)
	output:	(None, 512)



output_2_act: Activation	input:	(None, 512)
	output:	(None, 512)



output_3_dropout: Dropout	input:	(None, 512)
	output:	(None, 512)



output_3_dense_and_act: Dense	input:	(None, 512)
	output:	(None, 2)