

input_depth: InputLayer	input:	(None, 1, 48, 48)
	output:	(None, 1, 48, 48)



input_depth_1_conv: Conv2D	input:	(None, 1, 48, 48)
	output:	(None, 24, 48, 48)



input_depth_1_bn: BatchNormalization	input:	(None, 24, 48, 48)
	output:	(None, 24, 48, 48)



input_depth_1_act: Activation	input:	(None, 24, 48, 48)
	output:	(None, 24, 48, 48)



input_depth_2_conv: Conv2D	input:	(None, 24, 48, 48)
	output:	(None, 24, 48, 48)



input_depth_2_bn: BatchNormalization	input:	(None, 24, 48, 48)
	output:	(None, 24, 48, 48)



input_depth_2_act: Activation	input:	(None, 24, 48, 48)
	output:	(None, 24, 48, 48)



main_1_pool: MaxPooling2D	input:	(None, 24, 48, 48)
	output:	(None, 24, 24, 24)



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



main_2_bn: BatchNormalization	input:	(None, 48, 24, 24)
	output:	(None, 48, 24, 24)



main_2_act: Activation	input:	(None, 48, 24, 24)
	output:	(None, 48, 24, 24)



main_3_conv: Conv2D	input:	(None, 48, 24, 24)
	output:	(None, 48, 24, 24)



main_3_bn: BatchNormalization	input:	(None, 48, 24, 24)
	output:	(None, 48, 24, 24)



main_3_act: Activation	input:	(None, 48, 24, 24)
	output:	(None, 48, 24, 24)



main_5_pool: MaxPooling2D	input:	(None, 48, 24, 24)
	output:	(None, 48, 12, 12)



main_6_conv: Conv2D	input:	(None, 48, 12, 12)
	output:	(None, 64, 10, 10)



main_6_bn: BatchNormalization	input:	(None, 64, 10, 10)
	output:	(None, 64, 10, 10)



main_6_act: Activation	input:	(None, 64, 10, 10)
	output:	(None, 64, 10, 10)



main_7_conv: Conv2D	input:	(None, 64, 10, 10)
	output:	(None, 64, 8, 8)



main_7_bn: BatchNormalization	input:	(None, 64, 8, 8)
	output:	(None, 64, 8, 8)



main_7_act: Activation	input:	(None, 64, 8, 8)
	output:	(None, 64, 8, 8)



main_8_pool: MaxPooling2D	input:	(None, 64, 8, 8)
	output:	(None, 64, 4, 4)



output_1_flatten: Flatten	input:	(None, 64, 4, 4)
	output:	(None, 1024)



output_2_dropout: Dropout	input:	(None, 1024)
	output:	(None, 1024)



output_2_dense: Dense	input:	(None, 1024)
	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)