

<b>Input</b> input_1	input: ?	output (8, 8, 1): fixed<11,4,RND_CONV,SAT>
	output: (8, 8, 1)	



<b>ZeroPadding2D</b> zp2d_conv2d_0_m	input: (8, 8, 1)	output (9, 9, 1): fixed<11,4,RND_CONV,SAT>
	output: (9, 9, 1)	



<b>Conv2D</b> conv2d_0_m	input: (9, 9, 1)	weight (3, 3, 1, 8): fixed<6,2>
	output: (4, 4, 8)	bias (8,): fixed<6,2> output (4, 4, 8): fixed<16,6>



<b>Activation</b> accum1_qa	input: (4, 4, 8)	output (4, 4, 8): unfixed<12,3,RND_CONV,SAT>
	output: (4, 4, 8)	



<b>Reshape</b> flatten	input: (4, 4, 8)	output (128,): unfixed<12,3,RND_CONV,SAT>
	output: (128,)	



<b>Dense</b> encoded_vector	input: (128,)	weight (128, 16): fixed<6,2>
	output: (16,)	bias (16,): fixed<6,2> output (16,): fixed<16,6>



<b>Activation</b> encod_qa	input: (16,)	output (16,): unfixed<9,1,RND_CONV,SAT>
	output: (16,)	