

Layer (type)	Output Shape	Param #
Conv2d-1	[-1, 64, 112, 112]	9,408
BatchNorm2d-2	[-1, 64, 112, 112]	128
ReLU-3	[-1, 64, 112, 112]	0
MaxPool2d-4	[-1, 64, 56, 56]	0
Conv2d-5	[-1, 64, 56, 56]	36,864
ReLU-6	[-1, 64, 56, 56]	0
Conv2d-7	[-1, 64, 56, 56]	36,864
BatchNorm2d-8	[-1, 64, 56, 56]	128
ReLU-9	[-1, 64, 56, 56]	0
BasicBlock-10	[-1, 64, 56, 56]	0
Conv2d-11	[-1, 64, 56, 56]	36,864
ReLU-12	[-1, 64, 56, 56]	0
Conv2d-13	[-1, 64, 56, 56]	36,864
BatchNorm2d-14	[-1, 64, 56, 56]	128
ReLU-15	[-1, 64, 56, 56]	0
BasicBlock-16	[-1, 64, 56, 56]	0
Conv2d-17	[-1, 128, 28, 28]	73,728
ReLU-18	[-1, 128, 28, 28]	0
Conv2d-19	[-1, 128, 28, 28]	147,456
BatchNorm2d-20	[-1, 128, 28, 28]	256
Conv2d-21	[-1, 128, 28, 28]	8,192
BatchNorm2d-22	[-1, 128, 28, 28]	256
ReLU-23	[-1, 128, 28, 28]	0
BasicBlock-24	[-1, 128, 28, 28]	0
Conv2d-25	[-1, 128, 28, 28]	147,456
ReLU-26	[-1, 128, 28, 28]	0
Conv2d-27	[-1, 128, 28, 28]	147,456
BatchNorm2d-28	[-1, 128, 28, 28]	256
ReLU-29	[-1, 128, 28, 28]	0
BasicBlock-30	[-1, 128, 28, 28]	0
Conv2d-31	[-1, 256, 14, 14]	294,912
ReLU-32	[-1, 256, 14, 14]	0
Conv2d-33	[-1, 256, 14, 14]	589,824
BatchNorm2d-34	[-1, 256, 14, 14]	512
Conv2d-35	[-1, 256, 14, 14]	32,768
BatchNorm2d-36	[-1, 256, 14, 14]	512
ReLU-37	[-1, 256, 14, 14]	0
BasicBlock-38	[-1, 256, 14, 14]	0
Conv2d-39	[-1, 256, 14, 14]	589,824
ReLU-40	[-1, 256, 14, 14]	0
Conv2d-41	[-1, 256, 14, 14]	589,824
BatchNorm2d-42	[-1, 256, 14, 14]	512
ReLU-43	[-1, 256, 14, 14]	0
BasicBlock-44	[-1, 256, 14, 14]	0
Conv2d-45	[-1, 512, 7, 7]	1,179,648
ReLU-46	[-1, 512, 7, 7]	0
Conv2d-47	[-1, 512, 7, 7]	2,359,296
BatchNorm2d-48	[-1, 512, 7, 7]	1,024
Conv2d-49	[-1, 512, 7, 7]	131,072
BatchNorm2d-50	[-1, 512, 7, 7]	1,024
ReLU-51	[-1, 512, 7, 7]	0
BasicBlock-52	[-1, 512, 7, 7]	0
Conv2d-53	[-1, 512, 7, 7]	2,359,296
ReLU-54	[-1, 512, 7, 7]	0
Conv2d-55	[-1, 512, 7, 7]	2,359,296
BatchNorm2d-56	[-1, 512, 7, 7]	1,024
ReLU-57	[-1, 512, 7, 7]	0
BasicBlock-58	[-1, 512, 7, 7]	0
AdaptiveAvgPool2d-59	[-1, 512, 1, 1]	0
Linear-60	[-1, 10]	5,130
Total params: 11,177,802		
Trainable params: 11,177,802		
Non-trainable params: 0		
Input size (MB): 0.57		
Forward/backward pass size (MB): 57.04		
Params size (MB): 42.64		
Estimated Total Size (MB): 100.26		