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Layer (type) Output Shape Param #

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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

BatchNorm2d-6 [-1, 64, 56, 56] 128

ReLU-7 [-1, 64, 56, 56] 0

Conv2d-8 [-1, 64, 56, 56] 36,864

BatchNorm2d-9 [-1, 64, 56, 56] 128

ReLU-10 [-1, 64, 56, 56] 0

BasicBlock-11 [-1, 64, 56, 56] 0

Conv2d-12 [-1, 64, 56, 56] 36,864

BatchNorm2d-13 [-1, 64, 56, 56] 128

ReLU-14 [-1, 64, 56, 56] 0

Conv2d-15 [-1, 64, 56, 56] 36,864

BatchNorm2d-16 [-1, 64, 56, 56] 128

ReLU-17 [-1, 64, 56, 56] 0

BasicBlock-18 [-1, 64, 56, 56] 0

Conv2d-19 [-1, 128, 28, 28] 73,728

BatchNorm2d-20 [-1, 128, 28, 28] 256

ReLU-21 [-1, 128, 28, 28] 0

Conv2d-22 [-1, 128, 28, 28] 147,456

BatchNorm2d-23 [-1, 128, 28, 28] 256

Conv2d-24 [-1, 128, 28, 28] 8,192

BatchNorm2d-25 [-1, 128, 28, 28] 256

ReLU-26 [-1, 128, 28, 28] 0

BasicBlock-27 [-1, 128, 28, 28] 0

Conv2d-28 [-1, 128, 28, 28] 147,456

BatchNorm2d-29 [-1, 128, 28, 28] 256

ReLU-30 [-1, 128, 28, 28] 0

Conv2d-31 [-1, 128, 28, 28] 147,456

BatchNorm2d-32 [-1, 128, 28, 28] 256

ReLU-33 [-1, 128, 28, 28] 0

BasicBlock-34 [-1, 128, 28, 28] 0

Conv2d-35 [-1, 256, 14, 14] 294,912

BatchNorm2d-36 [-1, 256, 14, 14] 512

ReLU-37 [-1, 256, 14, 14] 0

Conv2d-38 [-1, 256, 14, 14] 589,824

BatchNorm2d-39 [-1, 256, 14, 14] 512

Conv2d-40 [-1, 256, 14, 14] 32,768

BatchNorm2d-41 [-1, 256, 14, 14] 512

ReLU-42 [-1, 256, 14, 14] 0

BasicBlock-43 [-1, 256, 14, 14] 0

Conv2d-44 [-1, 256, 14, 14] 589,824

BatchNorm2d-45 [-1, 256, 14, 14] 512

ReLU-46 [-1, 256, 14, 14] 0

Conv2d-47 [-1, 256, 14, 14] 589,824

BatchNorm2d-48 [-1, 256, 14, 14] 512

ReLU-49 [-1, 256, 14, 14] 0

BasicBlock-50 [-1, 256, 14, 14] 0

Conv2d-51 [-1, 512, 7, 7] 1,179,648

BatchNorm2d-52 [-1, 512, 7, 7] 1,024

ReLU-53 [-1, 512, 7, 7] 0

Conv2d-54 [-1, 512, 7, 7] 2,359,296

BatchNorm2d-55 [-1, 512, 7, 7] 1,024

Conv2d-56 [-1, 512, 7, 7] 131,072

BatchNorm2d-57 [-1, 512, 7, 7] 1,024

ReLU-58 [-1, 512, 7, 7] 0

BasicBlock-59 [-1, 512, 7, 7] 0

Conv2d-60 [-1, 512, 7, 7] 2,359,296

BatchNorm2d-61 [-1, 512, 7, 7] 1,024

ReLU-62 [-1, 512, 7, 7] 0

Conv2d-63 [-1, 512, 7, 7] 2,359,296

BatchNorm2d-64 [-1, 512, 7, 7] 1,024

ReLU-65 [-1, 512, 7, 7] 0

BasicBlock-66 [-1, 512, 7, 7] 0

AdaptiveAvgPool2d-67 [-1, 512, 1, 1] 0

Linear-68 [-1, 1000] 513,000

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Total params: 11,689,512

Trainable params: 11,689,512

Non-trainable params: 0

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Input size (MB): 0.57

Forward/backward pass size (MB): 62.79

Params size (MB): 44.59

Estimated Total Size (MB): 107.96

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