

Layer (type)	Output Shape	Param #
Conv2d-1	[-1, 64, 112, 112]	9,472
BatchNorm2d-2	[-1, 64, 112, 112]	128
ReLU-3	[-1, 64, 112, 112]	0
MaxPool2d-4	[-1, 64, 56, 56]	0
Conv2d-5	[-1, 128, 56, 56]	73,856
BatchNorm2d-6	[-1, 128, 56, 56]	256
ReLU-7	[-1, 128, 56, 56]	0
Conv2d-8	[-1, 128, 56, 56]	147,584
BatchNorm2d-9	[-1, 128, 56, 56]	256
Conv2d-10	[-1, 128, 56, 56]	8,320
BatchNorm2d-11	[-1, 128, 56, 56]	256
ReLU-12	[-1, 128, 56, 56]	0
ResidualBlock-13	[-1, 128, 56, 56]	0
Conv2d-14	[-1, 128, 56, 56]	147,584
BatchNorm2d-15	[-1, 128, 56, 56]	256
ReLU-16	[-1, 128, 56, 56]	0
Conv2d-17	[-1, 128, 56, 56]	147,584
BatchNorm2d-18	[-1, 128, 56, 56]	256
ReLU-19	[-1, 128, 56, 56]	0
ResidualBlock-20	[-1, 128, 56, 56]	0
Conv2d-21	[-1, 128, 56, 56]	147,584
BatchNorm2d-22	[-1, 128, 56, 56]	256
ReLU-23	[-1, 128, 56, 56]	0
Conv2d-24	[-1, 128, 56, 56]	147,584
BatchNorm2d-25	[-1, 128, 56, 56]	256
ReLU-26	[-1, 128, 56, 56]	0
ResidualBlock-27	[-1, 128, 56, 56]	0
Conv2d-28	[-1, 64, 28, 28]	73,792
BatchNorm2d-29	[-1, 64, 28, 28]	128
ReLU-30	[-1, 64, 28, 28]	0
Conv2d-31	[-1, 64, 28, 28]	36,928
BatchNorm2d-32	[-1, 64, 28, 28]	128
Conv2d-33	[-1, 64, 28, 28]	8,256
BatchNorm2d-34	[-1, 64, 28, 28]	128
ReLU-35	[-1, 64, 28, 28]	0
ResidualBlock-36	[-1, 64, 28, 28]	0
Conv2d-37	[-1, 64, 28, 28]	36,928
BatchNorm2d-38	[-1, 64, 28, 28]	128
ReLU-39	[-1, 64, 28, 28]	0
Conv2d-40	[-1, 64, 28, 28]	36,928
BatchNorm2d-41	[-1, 64, 28, 28]	128
ReLU-42	[-1, 64, 28, 28]	0
ResidualBlock-43	[-1, 64, 28, 28]	0
Conv2d-44	[-1, 64, 28, 28]	36,928
BatchNorm2d-45	[-1, 64, 28, 28]	128
ReLU-46	[-1, 64, 28, 28]	0
Conv2d-47	[-1, 64, 28, 28]	36,928

BatchNorm2d-48	[-1, 64, 28, 28]	128
ReLU-49	[-1, 64, 28, 28]	0
ResidualBlock-50	[-1, 64, 28, 28]	0
Conv2d-51	[-1, 64, 28, 28]	36,928
BatchNorm2d-52	[-1, 64, 28, 28]	128
ReLU-53	[-1, 64, 28, 28]	0
Conv2d-54	[-1, 64, 28, 28]	36,928
BatchNorm2d-55	[-1, 64, 28, 28]	128
ReLU-56	[-1, 64, 28, 28]	0
ResidualBlock-57	[-1, 64, 28, 28]	0
Conv2d-58	[-1, 64, 14, 14]	36,928
BatchNorm2d-59	[-1, 64, 14, 14]	128
ReLU-60	[-1, 64, 14, 14]	0
Conv2d-61	[-1, 64, 14, 14]	36,928
BatchNorm2d-62	[-1, 64, 14, 14]	128
Conv2d-63	[-1, 64, 14, 14]	4,160
BatchNorm2d-64	[-1, 64, 14, 14]	128
ReLU-65	[-1, 64, 14, 14]	0
ResidualBlock-66	[-1, 64, 14, 14]	0
Conv2d-67	[-1, 64, 14, 14]	36,928
BatchNorm2d-68	[-1, 64, 14, 14]	128
ReLU-69	[-1, 64, 14, 14]	0
Conv2d-70	[-1, 64, 14, 14]	36,928
BatchNorm2d-71	[-1, 64, 14, 14]	128
ReLU-72	[-1, 64, 14, 14]	0
ResidualBlock-73	[-1, 64, 14, 14]	0
Conv2d-74	[-1, 64, 14, 14]	36,928
BatchNorm2d-75	[-1, 64, 14, 14]	128
ReLU-76	[-1, 64, 14, 14]	0
Conv2d-77	[-1, 64, 14, 14]	36,928
BatchNorm2d-78	[-1, 64, 14, 14]	128
ReLU-79	[-1, 64, 14, 14]	0
ResidualBlock-80	[-1, 64, 14, 14]	0
Conv2d-81	[-1, 64, 14, 14]	36,928
BatchNorm2d-82	[-1, 64, 14, 14]	128
ReLU-83	[-1, 64, 14, 14]	0
Conv2d-84	[-1, 64, 14, 14]	36,928
BatchNorm2d-85	[-1, 64, 14, 14]	128
ReLU-86	[-1, 64, 14, 14]	0
ResidualBlock-87	[-1, 64, 14, 14]	0
Conv2d-88	[-1, 64, 14, 14]	36,928
BatchNorm2d-89	[-1, 64, 14, 14]	128
ReLU-90	[-1, 64, 14, 14]	0
Conv2d-91	[-1, 64, 14, 14]	36,928
BatchNorm2d-92	[-1, 64, 14, 14]	128
ReLU-93	[-1, 64, 14, 14]	0
ResidualBlock-94	[-1, 64, 14, 14]	0
Conv2d-95	[-1, 64, 14, 14]	36,928
BatchNorm2d-96	[-1, 64, 14, 14]	128
ReLU-97	[-1, 64, 14, 14]	0

Conv2d-98	[-1, 64, 14, 14]	36,928
BatchNorm2d-99	[-1, 64, 14, 14]	128
ReLU-100	[-1, 64, 14, 14]	0
ResidualBlock-101	[-1, 64, 14, 14]	0
Conv2d-102	[-1, 256, 7, 7]	147,712
BatchNorm2d-103	[-1, 256, 7, 7]	512
ReLU-104	[-1, 256, 7, 7]	0
Conv2d-105	[-1, 256, 7, 7]	590,080
BatchNorm2d-106	[-1, 256, 7, 7]	512
Conv2d-107	[-1, 256, 7, 7]	16,640
BatchNorm2d-108	[-1, 256, 7, 7]	512
ReLU-109	[-1, 256, 7, 7]	0
ResidualBlock-110	[-1, 256, 7, 7]	0
Conv2d-111	[-1, 256, 7, 7]	590,080
BatchNorm2d-112	[-1, 256, 7, 7]	512
ReLU-113	[-1, 256, 7, 7]	0
Conv2d-114	[-1, 256, 7, 7]	590,080
BatchNorm2d-115	[-1, 256, 7, 7]	512
ReLU-116	[-1, 256, 7, 7]	0
ResidualBlock-117	[-1, 256, 7, 7]	0
Conv2d-118	[-1, 256, 7, 7]	590,080
BatchNorm2d-119	[-1, 256, 7, 7]	512
ReLU-120	[-1, 256, 7, 7]	0
Conv2d-121	[-1, 256, 7, 7]	590,080
BatchNorm2d-122	[-1, 256, 7, 7]	512
ReLU-123	[-1, 256, 7, 7]	0
ResidualBlock-124	[-1, 256, 7, 7]	0
AvgPool2d-125	[-1, 256, 1, 1]	0
Linear-126	[-1, 10]	2,570

Total params: 4,743,050
 Trainable params: 4,743,050
 Non-trainable params: 0

Input size (MB): 0.57
 Forward/backward pass size (MB): 108.24
 Params size (MB): 18.09
 Estimated Total Size (MB): 126.91
