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Layer (type) Output Shape Param #

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input\_1 (InputLayer) (None, 416, 608, 3) 0

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block1\_conv1 (Conv2D) (None, 416, 608, 64) 1792

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block1\_conv2 (Conv2D) (None, 416, 608, 64) 36928

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block1\_pool (MaxPooling2D) (None, 208, 304, 64) 0

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block2\_conv1 (Conv2D) (None, 208, 304, 128) 73856

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block2\_conv2 (Conv2D) (None, 208, 304, 128) 147584

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block2\_pool (MaxPooling2D) (None, 104, 152, 128) 0

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block3\_conv1 (Conv2D) (None, 104, 152, 256) 295168

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block3\_conv2 (Conv2D) (None, 104, 152, 256) 590080

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block3\_conv3 (Conv2D) (None, 104, 152, 256) 590080

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block3\_pool (MaxPooling2D) (None, 52, 76, 256) 0

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block4\_conv1 (Conv2D) (None, 52, 76, 512) 1180160

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block4\_conv2 (Conv2D) (None, 52, 76, 512) 2359808

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block4\_conv3 (Conv2D) (None, 52, 76, 512) 2359808

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block4\_pool (MaxPooling2D) (None, 26, 38, 512) 0

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zero\_padding2d\_1 (ZeroPaddin (None, 28, 40, 512) 0

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conv2d\_1 (Conv2D) (None, 26, 38, 512) 2359808

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batch\_normalization\_1 (Batch (None, 26, 38, 512) 2048

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up\_sampling2d\_1 (UpSampling2 (None, 52, 76, 512) 0

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zero\_padding2d\_2 (ZeroPaddin (None, 54, 78, 512) 0

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conv2d\_2 (Conv2D) (None, 52, 76, 256) 1179904

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batch\_normalization\_2 (Batch (None, 52, 76, 256) 1024

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up\_sampling2d\_2 (UpSampling2 (None, 104, 152, 256) 0

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zero\_padding2d\_3 (ZeroPaddin (None, 106, 154, 256) 0

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conv2d\_3 (Conv2D) (None, 104, 152, 128) 295040

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batch\_normalization\_3 (Batch (None, 104, 152, 128) 512

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up\_sampling2d\_3 (UpSampling2 (None, 208, 304, 128) 0

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zero\_padding2d\_4 (ZeroPaddin (None, 210, 306, 128) 0

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conv2d\_4 (Conv2D) (None, 208, 304, 64) 73792

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batch\_normalization\_4 (Batch (None, 208, 304, 64) 256

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conv2d\_5 (Conv2D) (None, 208, 304, 51) 29427

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reshape\_1 (Reshape) (None, 63232, 51) 0

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activation\_1 (Activation) (None, 63232, 51) 0

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Total params: 11,577,075

Trainable params: 11,575,155

Non-trainable params: 1,920

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