|  |  |  |
| --- | --- | --- |
| Epochs | Training loss | Validation loss |
| 1 | 4860 | 3300 |
| 2 | 2534 | 2200 |
| 3 | 1900 | 2150 |
| 4 | 1856 | 2100 |
| 5 | 1500 | 1800 |
| 6 | 1200 | 1700 |
| 7 | 1100 | 1400 |
| 8 | 900 | 1200 |
| 9 | 800 | 1150 |
| 10 | 600 | 1100 |

Layer (type) Output Shape

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batch\_normalization\_2 (Batch (None, 80L, 160L, 3L)

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Conv1 (Conv2D) (None, 78L, 158L, 8)

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Conv2 (Conv2D) (None, 76L, 156L, 16)

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max\_pooling2d\_4 (MaxPooling2 (None, 38L, 78L, 16)

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Conv3 (Conv2D) (None, 36L, 76L, 16)

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dropout\_11 (Dropout) (None, 36L, 76L, 16)

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Conv4 (Conv2D) (None, 34L, 74L, 32)

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dropout\_12 (Dropout) (None, 34L, 74L, 32)

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Conv5 (Conv2D) (None, 32L, 72L, 32)

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dropout\_13 (Dropout) (None, 32L, 72L, 32)

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max\_pooling2d\_5 (MaxPooling2 (None, 16L, 36L, 32)

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Conv6 (Conv2D) (None, 14L, 34L, 64)

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dropout\_14 (Dropout) (None, 14L, 34L, 64)

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Conv7 (Conv2D) (None, 12L, 32L, 64)

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dropout\_15 (Dropout) (None, 12L, 32L, 64)

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max\_pooling2d\_6 (MaxPooling2 (None, 6L, 16L, 64)

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up\_sampling2d\_4 (UpSampling2 (None, 12L, 32L, 64)

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Deconv1 (Conv2DTranspose) (None, 14L, 34L, 64)

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dropout\_16 (Dropout) (None, 14L, 34L, 64)

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Deconv2 (Conv2DTranspose) (None, 16L, 36L, 64)

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dropout\_17 (Dropout) (None, 16L, 36L, 64)

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up\_sampling2d\_5 (UpSampling2 (None, 32L, 72L, 64)

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Deconv3 (Conv2DTranspose) (None, 34L, 74L, 32)

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dropout\_18 (Dropout) (None, 34L, 74L, 32)

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Deconv4 (Conv2DTranspose) (None, 36L, 76L, 32)

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dropout\_19 (Dropout) (None, 36L, 76L, 32)

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Deconv5 (Conv2DTranspose) (None, 38L, 78L, 16)

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dropout\_20 (Dropout) (None, 38L, 78L, 16)

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up\_sampling2d\_6 (UpSampling2 (None, 76L, 156L, 16)

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Deconv6 (Conv2DTranspose) (None, 78L, 158L, 16)

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Final (Conv2DTranspose) (None, 80L, 160L, 1)

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