Model Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| n | from | params | module | arguments |
| 0 | -1 | 464 | ultralytics.nn.modules.conv.Conv | [3, 16, 3, 2] |
| 1 | -1 | 4672 | ultralytics.nn.modules.conv.Conv | [16, 32, 3, 2] |
| 2 | -1 | 7360 | ultralytics.nn.modules.block.C2f | [32, 32, 1, True] |
| 3 | -1 | 18560 | ultralytics.nn.modules.conv.Conv | [32, 64, 3, 2] |
| 4 | -1 | 49664 | ultralytics.nn.modules.block.C2f | [64, 64, 2, True] |
| 5 | -1 | 73984 | ultralytics.nn.modules.conv.Conv | [64, 128, 3, 2] |
| 6 | -1 | 197632 | ultralytics.nn.modules.block.C2f | [128, 128, 2, True] |
| 7 | -1 | 295424 | ultralytics.nn.modules.conv.Conv | [128, 256, 3, 2] |
| 8 | -1 | 460288 | ultralytics.nn.modules.block.C2f | [256, 256, 1, True] |
| 9 | -1 | 164608 | ultralytics.nn.modules.block.SPPF | [256, 256, 5] |
| 10 | -1 | 0 | torch.nn.modules.upsampling.Upsample | [None, 2, 'nearest'] |
| 11 | [-1, | 1 | 0 | ultralytics.nn.modules.conv.Concat [1] |
| 12 | -1 | 148224 | ultralytics.nn.modules.block.C2f | [384, 128, 1] |
| 13 | -1 | 0 | torch.nn.modules.upsampling.Upsample | [None, 2, 'nearest'] |
| 14 | [-1, | 1 | 0 | ultralytics.nn.modules.conv.Concat [1] |
| 15 | -1 | 37248 | ultralytics.nn.modules.block.C2f | [192, 64, 1] |
| 16 | -1 | 36992 | ultralytics.nn.modules.conv.Conv | [64, 64, 3, 2] |
| 17 | [-1, | 1 | 0 | ultralytics.nn.modules.conv.Concat [1] |
| 18 | -1 | 123648 | ultralytics.nn.modules.block.C2f | [192, 128, 1] |
| 19 | -1 | 147712 | ultralytics.nn.modules.conv.Conv | [128, 128, 3, 2] |

Model summary: 225 layers, 3014748 parameters, 3014732 gradients, 8.2 GFLOPs