AutoShape(

(model): DetectMultiBackend(

(model): Model(

(model): Sequential(

(0): Conv(

(conv): Conv2d(3, 48, kernel\_size=(6, 6), stride=(2, 2), padding=(2, 2))

(act): SiLU(inplace=True)

)

(1): Conv(

(conv): Conv2d(48, 96, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1))

(act): SiLU(inplace=True)

)

(2): C3(

(cv1): Conv(

(conv): Conv2d(96, 48, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(96, 48, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv3): Conv(

(conv): Conv2d(96, 96, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(m): Sequential(

(0): Bottleneck(

(cv1): Conv(

(conv): Conv2d(48, 48, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(48, 48, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(1): Bottleneck(

(cv1): Conv(

(conv): Conv2d(48, 48, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(48, 48, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

)

)

(3): Conv(

(conv): Conv2d(96, 192, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1))

(act): SiLU(inplace=True)

)

(4): C3(

(cv1): Conv(

(conv): Conv2d(192, 96, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(192, 96, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv3): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(m): Sequential(

(0): Bottleneck(

(cv1): Conv(

(conv): Conv2d(96, 96, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(96, 96, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(1): Bottleneck(

(cv1): Conv(

(conv): Conv2d(96, 96, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(96, 96, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(2): Bottleneck(

(cv1): Conv(

(conv): Conv2d(96, 96, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(96, 96, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(3): Bottleneck(

(cv1): Conv(

(conv): Conv2d(96, 96, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(96, 96, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

)

)

(5): Conv(

(conv): Conv2d(192, 384, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1))

(act): SiLU(inplace=True)

)

(6): C3(

(cv1): Conv(

(conv): Conv2d(384, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(384, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv3): Conv(

(conv): Conv2d(384, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(m): Sequential(

(0): Bottleneck(

(cv1): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(192, 192, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(1): Bottleneck(

(cv1): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(192, 192, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(2): Bottleneck(

(cv1): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(192, 192, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(3): Bottleneck(

(cv1): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(192, 192, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(4): Bottleneck(

(cv1): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(192, 192, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(5): Bottleneck(

(cv1): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(192, 192, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

)

)

(7): Conv(

(conv): Conv2d(384, 768, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1))

(act): SiLU(inplace=True)

)

(8): C3(

(cv1): Conv(

(conv): Conv2d(768, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(768, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv3): Conv(

(conv): Conv2d(768, 768, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(m): Sequential(

(0): Bottleneck(

(cv1): Conv(

(conv): Conv2d(384, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(384, 384, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(1): Bottleneck(

(cv1): Conv(

(conv): Conv2d(384, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(384, 384, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

)

)

(9): SPPF(

(cv1): Conv(

(conv): Conv2d(768, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(1536, 768, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(m): MaxPool2d(kernel\_size=5, stride=1, padding=2, dilation=1, ceil\_mode=False)

)

(10): Conv(

(conv): Conv2d(768, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(11): Upsample(scale\_factor=2.0, mode=nearest)

(12): Concat()

(13): C3(

(cv1): Conv(

(conv): Conv2d(768, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(768, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv3): Conv(

(conv): Conv2d(384, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(m): Sequential(

(0): Bottleneck(

(cv1): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(192, 192, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(1): Bottleneck(

(cv1): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(192, 192, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

)

)

(14): Conv(

(conv): Conv2d(384, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(15): Upsample(scale\_factor=2.0, mode=nearest)

(16): Concat()

(17): C3(

(cv1): Conv(

(conv): Conv2d(384, 96, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(384, 96, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv3): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(m): Sequential(

(0): Bottleneck(

(cv1): Conv(

(conv): Conv2d(96, 96, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(96, 96, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(1): Bottleneck(

(cv1): Conv(

(conv): Conv2d(96, 96, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(96, 96, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

)

)

(18): Conv(

(conv): Conv2d(192, 192, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1))

(act): SiLU(inplace=True)

)

(19): Concat()

(20): C3(

(cv1): Conv(

(conv): Conv2d(384, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(384, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv3): Conv(

(conv): Conv2d(384, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(m): Sequential(

(0): Bottleneck(

(cv1): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(192, 192, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(1): Bottleneck(

(cv1): Conv(

(conv): Conv2d(192, 192, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(192, 192, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

)

)

(21): Conv(

(conv): Conv2d(384, 384, kernel\_size=(3, 3), stride=(2, 2), padding=(1, 1))

(act): SiLU(inplace=True)

)

(22): Concat()

(23): C3(

(cv1): Conv(

(conv): Conv2d(768, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(768, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv3): Conv(

(conv): Conv2d(768, 768, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(m): Sequential(

(0): Bottleneck(

(cv1): Conv(

(conv): Conv2d(384, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(384, 384, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

(1): Bottleneck(

(cv1): Conv(

(conv): Conv2d(384, 384, kernel\_size=(1, 1), stride=(1, 1))

(act): SiLU(inplace=True)

)

(cv2): Conv(

(conv): Conv2d(384, 384, kernel\_size=(3, 3), stride=(1, 1), padding=(1, 1))

(act): SiLU(inplace=True)

)

)

)

)

(24): Detect(

(m): ModuleList(

(0): Conv2d(192, 255, kernel\_size=(1, 1), stride=(1, 1))

(1): Conv2d(384, 255, kernel\_size=(1, 1), stride=(1, 1))

(2): Conv2d(768, 255, kernel\_size=(1, 1), stride=(1, 1))

)

)

)

)

)

)