

```

initialize
Loading weights: ./midas/weights/midas_v2l_small-70d6b9c8.pt
MidasNet_small(
  (pretrained): Module(
    (layer1): Sequential(
      (0): Conv2dSameExport(3, 32, kernel_size=(3, 3), stride=(2, 2), bias=False)
      (1): BatchNorm2d(32, eps=0.001, momentum=0.1, affine=True, track_running_stats=True)
      (2): ReLU6(inplace=True)
      (3): Sequential(
        (0): DepthwiseSeparableConv(
          (conv_dw): Conv2d(32, 32, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
groups=32, bias=False)
          (bn1): BatchNorm2d(32, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
          (act1): ReLU6(inplace=True)
          (se): Identity()
          (conv_pw): Conv2d(32, 24, kernel_size=(1, 1), stride=(1, 1), bias=False)
          (bn2): BatchNorm2d(24, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
          (act2): Identity()
        )
      )
    )
    (4): Sequential(
      (0): InvertedResidual(
        (conv_pw): Conv2d(24, 144, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn1): BatchNorm2d(144, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act1): ReLU6(inplace=True)
        (conv_dw): Conv2dSameExport(144, 144, kernel_size=(3, 3), stride=(2, 2),
groups=144, bias=False)
        (bn2): BatchNorm2d(144, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act2): ReLU6(inplace=True)
        (se): Identity()
        (conv_pwl): Conv2d(144, 32, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn3): BatchNorm2d(32, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (1): InvertedResidual(
        (conv_pw): Conv2d(32, 192, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn1): BatchNorm2d(192, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act1): ReLU6(inplace=True)
        (conv_dw): Conv2d(192, 192, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
groups=192, bias=False)
        (bn2): BatchNorm2d(192, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act2): ReLU6(inplace=True)
        (se): Identity()
        (conv_pwl): Conv2d(192, 32, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn3): BatchNorm2d(32, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
      )
      (2): InvertedResidual(
        (conv_pw): Conv2d(32, 192, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn1): BatchNorm2d(192, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act1): ReLU6(inplace=True)
        (conv_dw): Conv2d(192, 192, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
groups=192, bias=False)
        (bn2): BatchNorm2d(192, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act2): ReLU6(inplace=True)
        (se): Identity()
        (conv_pwl): Conv2d(192, 32, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn3): BatchNorm2d(32, eps=0.001, momentum=0.1, affine=True,

```

```
track_running_stats=True)
    )
    )
    (layer2): Sequential(
      (0): Sequential(
        (0): InvertedResidual(
          (conv_pw): Conv2d(32, 192, kernel_size=(1, 1), stride=(1, 1), bias=False)
          (bn1): BatchNorm2d(192, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
          (act1): ReLU6(inplace=True)
          (conv_dw): Conv2dSameExport(192, 192, kernel_size=(5, 5), stride=(2, 2),
groups=192, bias=False)
          (bn2): BatchNorm2d(192, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
          (act2): ReLU6(inplace=True)
          (se): Identity()
          (conv_pwl): Conv2d(192, 48, kernel_size=(1, 1), stride=(1, 1), bias=False)
          (bn3): BatchNorm2d(48, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        )
        (1): InvertedResidual(
          (conv_pw): Conv2d(48, 288, kernel_size=(1, 1), stride=(1, 1), bias=False)
          (bn1): BatchNorm2d(288, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
          (act1): ReLU6(inplace=True)
          (conv_dw): Conv2d(288, 288, kernel_size=(5, 5), stride=(1, 1), padding=(2, 2),
groups=288, bias=False)
          (bn2): BatchNorm2d(288, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
          (act2): ReLU6(inplace=True)
          (se): Identity()
          (conv_pwl): Conv2d(288, 48, kernel_size=(1, 1), stride=(1, 1), bias=False)
          (bn3): BatchNorm2d(48, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        )
        (2): InvertedResidual(
          (conv_pw): Conv2d(48, 288, kernel_size=(1, 1), stride=(1, 1), bias=False)
          (bn1): BatchNorm2d(288, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
          (act1): ReLU6(inplace=True)
          (conv_dw): Conv2d(288, 288, kernel_size=(5, 5), stride=(1, 1), padding=(2, 2),
groups=288, bias=False)
          (bn2): BatchNorm2d(288, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
          (act2): ReLU6(inplace=True)
          (se): Identity()
          (conv_pwl): Conv2d(288, 48, kernel_size=(1, 1), stride=(1, 1), bias=False)
          (bn3): BatchNorm2d(48, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        )
      )
    )
    (layer3): Sequential(
      (0): Sequential(
        (0): InvertedResidual(
          (conv_pw): Conv2d(48, 288, kernel_size=(1, 1), stride=(1, 1), bias=False)
          (bn1): BatchNorm2d(288, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
          (act1): ReLU6(inplace=True)
          (conv_dw): Conv2dSameExport(288, 288, kernel_size=(3, 3), stride=(2, 2),
groups=288, bias=False)
          (bn2): BatchNorm2d(288, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
          (act2): ReLU6(inplace=True)
          (se): Identity()
```

```

        (conv_pwl): Conv2d(288, 96, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn3): BatchNorm2d(96, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    (1): InvertedResidual(
        (conv_pw): Conv2d(96, 576, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn1): BatchNorm2d(576, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act1): ReLU6(inplace=True)
        (conv_dw): Conv2d(576, 576, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
groups=576, bias=False)
        (bn2): BatchNorm2d(576, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act2): ReLU6(inplace=True)
        (se): Identity()
        (conv_pwl): Conv2d(576, 96, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn3): BatchNorm2d(96, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    (2): InvertedResidual(
        (conv_pw): Conv2d(96, 576, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn1): BatchNorm2d(576, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act1): ReLU6(inplace=True)
        (conv_dw): Conv2d(576, 576, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
groups=576, bias=False)
        (bn2): BatchNorm2d(576, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act2): ReLU6(inplace=True)
        (se): Identity()
        (conv_pwl): Conv2d(576, 96, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn3): BatchNorm2d(96, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    (3): InvertedResidual(
        (conv_pw): Conv2d(96, 576, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn1): BatchNorm2d(576, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act1): ReLU6(inplace=True)
        (conv_dw): Conv2d(576, 576, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
groups=576, bias=False)
        (bn2): BatchNorm2d(576, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act2): ReLU6(inplace=True)
        (se): Identity()
        (conv_pwl): Conv2d(576, 96, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn3): BatchNorm2d(96, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    (4): InvertedResidual(
        (conv_pw): Conv2d(96, 576, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn1): BatchNorm2d(576, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act1): ReLU6(inplace=True)
        (conv_dw): Conv2d(576, 576, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
groups=576, bias=False)
        (bn2): BatchNorm2d(576, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act2): ReLU6(inplace=True)
        (se): Identity()
        (conv_pwl): Conv2d(576, 96, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn3): BatchNorm2d(96, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    )
    (1): Sequential(

```

```
(0): InvertedResidual(
  (conv_pw): Conv2d(96, 576, kernel_size=(1, 1), stride=(1, 1), bias=False)
  (bn1): BatchNorm2d(576, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
  (act1): ReLU6(inplace=True)
  (conv_dw): Conv2d(576, 576, kernel_size=(5, 5), stride=(1, 1), padding=(2, 2),
groups=576, bias=False)
  (bn2): BatchNorm2d(576, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
  (act2): ReLU6(inplace=True)
  (se): Identity()
  (conv_pwl): Conv2d(576, 136, kernel_size=(1, 1), stride=(1, 1), bias=False)
  (bn3): BatchNorm2d(136, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
)
(1): InvertedResidual(
  (conv_pw): Conv2d(136, 816, kernel_size=(1, 1), stride=(1, 1), bias=False)
  (bn1): BatchNorm2d(816, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
  (act1): ReLU6(inplace=True)
  (conv_dw): Conv2d(816, 816, kernel_size=(5, 5), stride=(1, 1), padding=(2, 2),
groups=816, bias=False)
  (bn2): BatchNorm2d(816, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
  (act2): ReLU6(inplace=True)
  (se): Identity()
  (conv_pwl): Conv2d(816, 136, kernel_size=(1, 1), stride=(1, 1), bias=False)
  (bn3): BatchNorm2d(136, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
)
(2): InvertedResidual(
  (conv_pw): Conv2d(136, 816, kernel_size=(1, 1), stride=(1, 1), bias=False)
  (bn1): BatchNorm2d(816, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
  (act1): ReLU6(inplace=True)
  (conv_dw): Conv2d(816, 816, kernel_size=(5, 5), stride=(1, 1), padding=(2, 2),
groups=816, bias=False)
  (bn2): BatchNorm2d(816, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
  (act2): ReLU6(inplace=True)
  (se): Identity()
  (conv_pwl): Conv2d(816, 136, kernel_size=(1, 1), stride=(1, 1), bias=False)
  (bn3): BatchNorm2d(136, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
)
(3): InvertedResidual(
  (conv_pw): Conv2d(136, 816, kernel_size=(1, 1), stride=(1, 1), bias=False)
  (bn1): BatchNorm2d(816, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
  (act1): ReLU6(inplace=True)
  (conv_dw): Conv2d(816, 816, kernel_size=(5, 5), stride=(1, 1), padding=(2, 2),
groups=816, bias=False)
  (bn2): BatchNorm2d(816, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
  (act2): ReLU6(inplace=True)
  (se): Identity()
  (conv_pwl): Conv2d(816, 136, kernel_size=(1, 1), stride=(1, 1), bias=False)
  (bn3): BatchNorm2d(136, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
)
(4): InvertedResidual(
  (conv_pw): Conv2d(136, 816, kernel_size=(1, 1), stride=(1, 1), bias=False)
  (bn1): BatchNorm2d(816, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
  (act1): ReLU6(inplace=True)
  (conv_dw): Conv2d(816, 816, kernel_size=(5, 5), stride=(1, 1), padding=(2, 2),
```

```

groups=816, bias=False)
    (bn2): BatchNorm2d(816, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    (act2): ReLU6(inplace=True)
    (se): Identity()
    (conv_pwl): Conv2d(816, 136, kernel_size=(1, 1), stride=(1, 1), bias=False)
    (bn3): BatchNorm2d(136, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    )
    (layer4): Sequential(
    (0): Sequential(
    (0): InvertedResidual(
    (conv_pw): Conv2d(136, 816, kernel_size=(1, 1), stride=(1, 1), bias=False)
    (bn1): BatchNorm2d(816, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    (act1): ReLU6(inplace=True)
    (conv_dw): Conv2dSameExport(816, 816, kernel_size=(5, 5), stride=(2, 2),
groups=816, bias=False)
    (bn2): BatchNorm2d(816, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    (act2): ReLU6(inplace=True)
    (se): Identity()
    (conv_pwl): Conv2d(816, 232, kernel_size=(1, 1), stride=(1, 1), bias=False)
    (bn3): BatchNorm2d(232, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    (1): InvertedResidual(
    (conv_pw): Conv2d(232, 1392, kernel_size=(1, 1), stride=(1, 1), bias=False)
    (bn1): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    (act1): ReLU6(inplace=True)
    (conv_dw): Conv2d(1392, 1392, kernel_size=(5, 5), stride=(1, 1), padding=(2,
2), groups=1392, bias=False)
    (bn2): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    (act2): ReLU6(inplace=True)
    (se): Identity()
    (conv_pwl): Conv2d(1392, 232, kernel_size=(1, 1), stride=(1, 1), bias=False)
    (bn3): BatchNorm2d(232, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    (2): InvertedResidual(
    (conv_pw): Conv2d(232, 1392, kernel_size=(1, 1), stride=(1, 1), bias=False)
    (bn1): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    (act1): ReLU6(inplace=True)
    (conv_dw): Conv2d(1392, 1392, kernel_size=(5, 5), stride=(1, 1), padding=(2,
2), groups=1392, bias=False)
    (bn2): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    (act2): ReLU6(inplace=True)
    (se): Identity()
    (conv_pwl): Conv2d(1392, 232, kernel_size=(1, 1), stride=(1, 1), bias=False)
    (bn3): BatchNorm2d(232, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    (3): InvertedResidual(
    (conv_pw): Conv2d(232, 1392, kernel_size=(1, 1), stride=(1, 1), bias=False)
    (bn1): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    (act1): ReLU6(inplace=True)
    (conv_dw): Conv2d(1392, 1392, kernel_size=(5, 5), stride=(1, 1), padding=(2,
2), groups=1392, bias=False)
    (bn2): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,

```

```

track_running_stats=True)
    (act2): ReLU6(inplace=True)
    (se): Identity()
    (conv_pwl): Conv2d(1392, 232, kernel_size=(1, 1), stride=(1, 1), bias=False)
    (bn3): BatchNorm2d(232, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    (4): InvertedResidual(
        (conv_pw): Conv2d(232, 1392, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn1): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act1): ReLU6(inplace=True)
        (conv_dw): Conv2d(1392, 1392, kernel_size=(5, 5), stride=(1, 1), padding=(2,
2), groups=1392, bias=False)
        (bn2): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act2): ReLU6(inplace=True)
        (se): Identity()
        (conv_pwl): Conv2d(1392, 232, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn3): BatchNorm2d(232, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    (5): InvertedResidual(
        (conv_pw): Conv2d(232, 1392, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn1): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act1): ReLU6(inplace=True)
        (conv_dw): Conv2d(1392, 1392, kernel_size=(5, 5), stride=(1, 1), padding=(2,
2), groups=1392, bias=False)
        (bn2): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        (act2): ReLU6(inplace=True)
        (se): Identity()
        (conv_pwl): Conv2d(1392, 232, kernel_size=(1, 1), stride=(1, 1), bias=False)
        (bn3): BatchNorm2d(232, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
    )
    )
    (1): Sequential(
        (0): InvertedResidual(
            (conv_pw): Conv2d(232, 1392, kernel_size=(1, 1), stride=(1, 1), bias=False)
            (bn1): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
            (act1): ReLU6(inplace=True)
            (conv_dw): Conv2d(1392, 1392, kernel_size=(3, 3), stride=(1, 1), padding=(1,
1), groups=1392, bias=False)
            (bn2): BatchNorm2d(1392, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
            (act2): ReLU6(inplace=True)
            (se): Identity()
            (conv_pwl): Conv2d(1392, 384, kernel_size=(1, 1), stride=(1, 1), bias=False)
            (bn3): BatchNorm2d(384, eps=0.001, momentum=0.1, affine=True,
track_running_stats=True)
        )
    )
    )
    (scratch): Module(
        (layer1_rn): Conv2d(32, 64, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
bias=False)
        (layer2_rn): Conv2d(48, 128, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
bias=False)
        (layer3_rn): Conv2d(136, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
bias=False)
        (layer4_rn): Conv2d(384, 512, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1),
bias=False)

```

```

(activation): ReLU()
(refinenet4): FeatureFusionBlock_custom(
  (out_conv): Conv2d(512, 256, kernel_size=(1, 1), stride=(1, 1))
  (resConfUnit1): ResidualConvUnit_custom(
    (conv1): Conv2d(512, 512, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (conv2): Conv2d(512, 512, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (activation): ReLU()
    (skip_add): FloatFunctional(
      (activation_post_process): Identity()
    )
  )
  (resConfUnit2): ResidualConvUnit_custom(
    (conv1): Conv2d(512, 512, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (conv2): Conv2d(512, 512, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (activation): ReLU()
    (skip_add): FloatFunctional(
      (activation_post_process): Identity()
    )
  )
  (skip_add): FloatFunctional(
    (activation_post_process): Identity()
  )
)
(refinenet3): FeatureFusionBlock_custom(
  (out_conv): Conv2d(256, 128, kernel_size=(1, 1), stride=(1, 1))
  (resConfUnit1): ResidualConvUnit_custom(
    (conv1): Conv2d(256, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (conv2): Conv2d(256, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (activation): ReLU()
    (skip_add): FloatFunctional(
      (activation_post_process): Identity()
    )
  )
  (resConfUnit2): ResidualConvUnit_custom(
    (conv1): Conv2d(256, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (conv2): Conv2d(256, 256, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (activation): ReLU()
    (skip_add): FloatFunctional(
      (activation_post_process): Identity()
    )
  )
  (skip_add): FloatFunctional(
    (activation_post_process): Identity()
  )
)
(refinenet2): FeatureFusionBlock_custom(
  (out_conv): Conv2d(128, 64, kernel_size=(1, 1), stride=(1, 1))
  (resConfUnit1): ResidualConvUnit_custom(
    (conv1): Conv2d(128, 128, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (conv2): Conv2d(128, 128, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (activation): ReLU()
    (skip_add): FloatFunctional(
      (activation_post_process): Identity()
    )
  )
  (resConfUnit2): ResidualConvUnit_custom(
    (conv1): Conv2d(128, 128, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (conv2): Conv2d(128, 128, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (activation): ReLU()
    (skip_add): FloatFunctional(
      (activation_post_process): Identity()
    )
  )
  (skip_add): FloatFunctional(
    (activation_post_process): Identity()
  )
)

```

```

    )
    (refinenet1): FeatureFusionBlock_custom(
      (out_conv): Conv2d(64, 64, kernel_size=(1, 1), stride=(1, 1))
      (resConfUnit1): ResidualConvUnit_custom(
        (conv1): Conv2d(64, 64, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
        (conv2): Conv2d(64, 64, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
        (activation): ReLU()
        (skip_add): FloatFunctional(
          (activation_post_process): Identity()
        )
      )
    )
    (resConfUnit2): ResidualConvUnit_custom(
      (conv1): Conv2d(64, 64, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
      (conv2): Conv2d(64, 64, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
      (activation): ReLU()
      (skip_add): FloatFunctional(
        (activation_post_process): Identity()
      )
    )
    (skip_add): FloatFunctional(
      (activation_post_process): Identity()
    )
  )
  (output_conv): Sequential(
    (0): Conv2d(64, 32, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (1): Interpolate()
    (2): Conv2d(32, 32, kernel_size=(3, 3), stride=(1, 1), padding=(1, 1))
    (3): ReLU()
    (4): Conv2d(32, 1, kernel_size=(1, 1), stride=(1, 1))
    (5): ReLU(inplace=True)
    (6): Identity()
  )
)
)
)

```