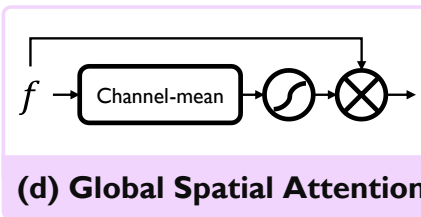
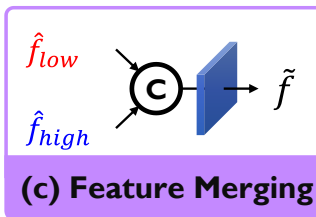
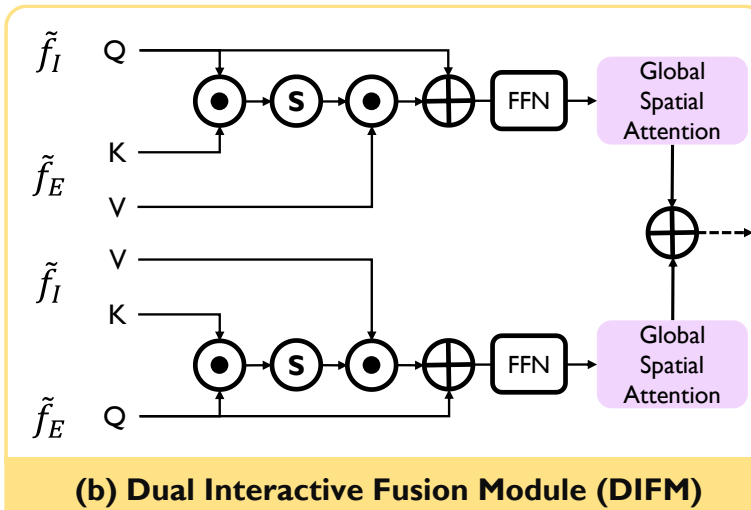
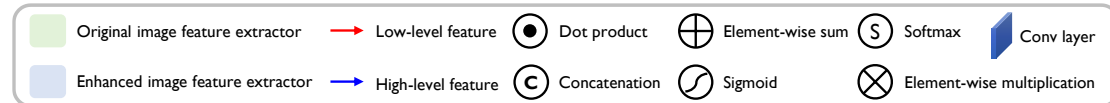
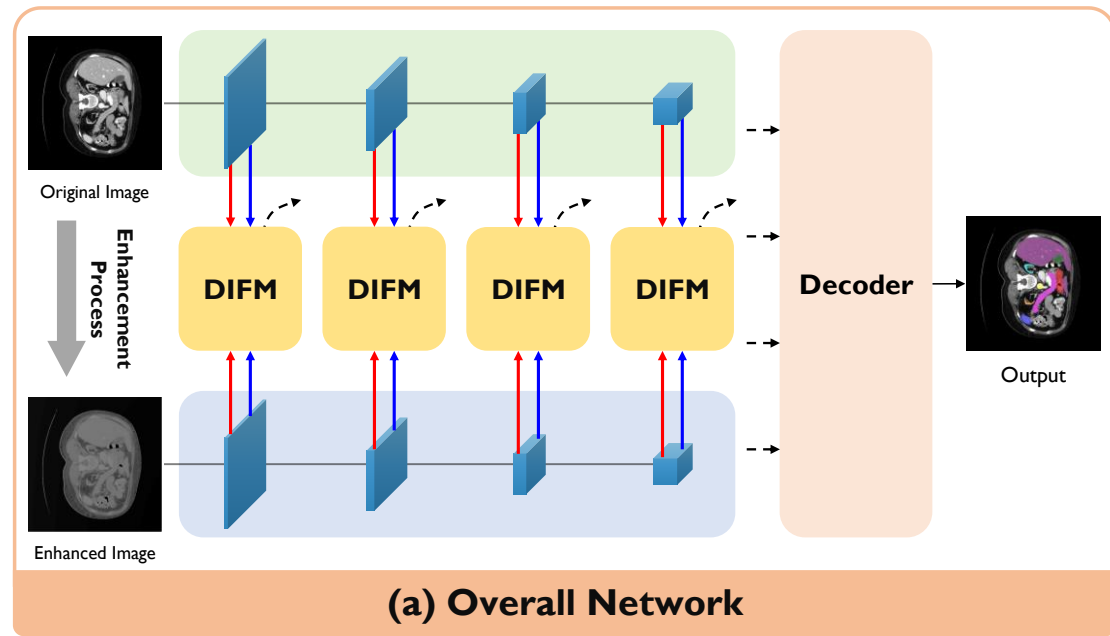
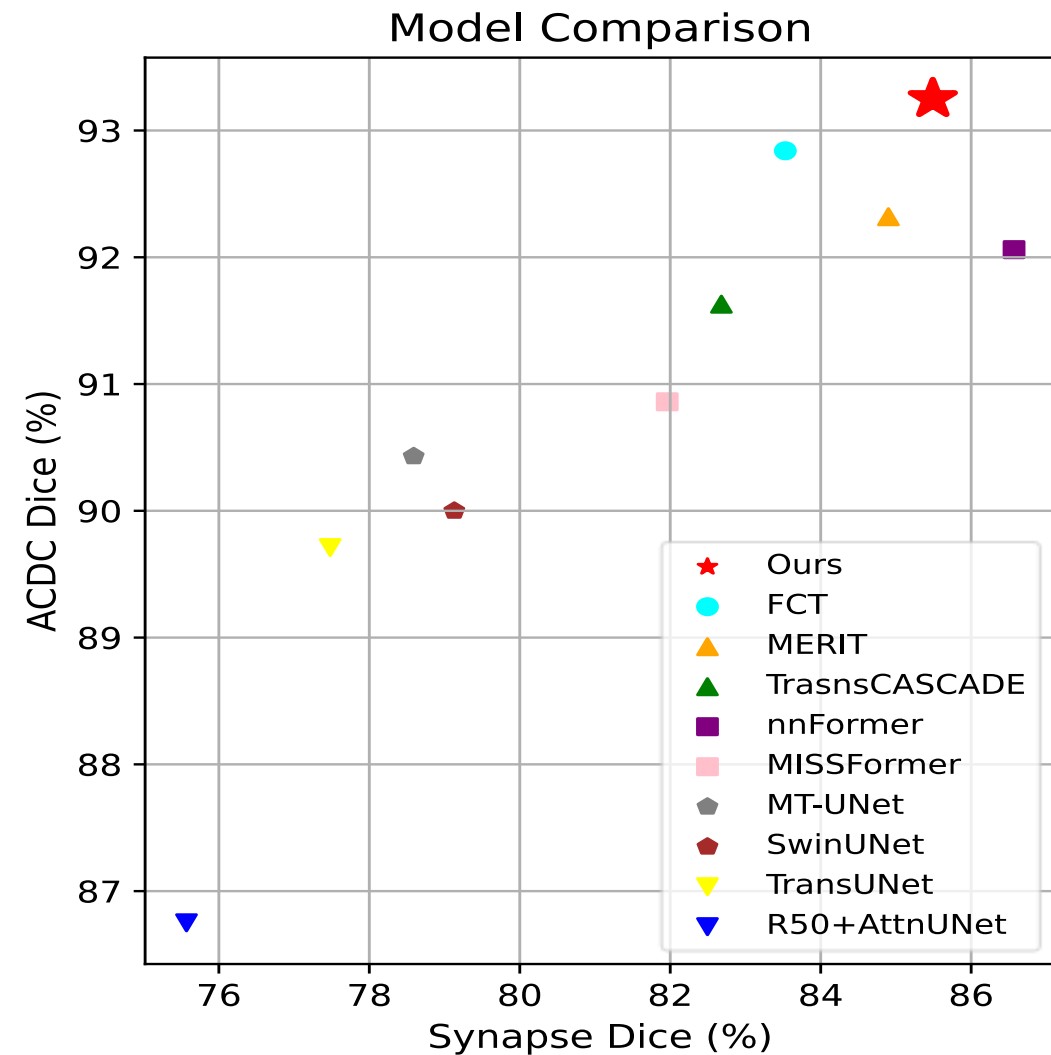


## Dual Interactive Fusion Module



## Results



## Multi-Scale Boundary Loss

$$L_{bnd} = \sum_{i \in \{1,2,4\}} |G(avg(x, i)) - G(avg(y, i))|_1$$

$$L_{total} = \alpha L_{CE} + \beta L_{Dice} + L_{bnd}$$

$G(\cdot)$ : Gradient extractor,  $avg(\cdot, i)$ : Average pooling with  $i \times i$  kernel,  $\alpha: 0.3, \beta: 0.7$