

Comprehensive Model Performance Summary

| Model | Dice Coef | Mean IoU | NCR/NET | ED | ET | Parameters (M) | Model Size (MB) | Inference (ms) | Peak RAM (GB) | Peak GPU (GB) |
|------------------|-----------|----------|---------|--------|--------|----------------|-----------------|----------------|---------------|---------------|
| Base Model | 0.9849 | 0.9710 | 0.8254 | 0.8247 | 0.8513 | 8.91 | 34.26 | 12.88 | 8.18 | 0.55 |
| ENC-CON | 0.9841 | 0.9695 | 0.7717 | 0.7818 | 0.8248 | 6.62 | 25.50 | 11.79 | 8.19 | 0.68 |
| Depthwise Shared | 0.9837 | 0.9690 | 0.7638 | 0.6408 | 0.8526 | 5.05 | 19.44 | 12.68 | 8.18 | 0.47 |
| Paired Shared | 0.9786 | 0.9599 | 0.6934 | 0.6719 | 0.7727 | 5.05 | 19.47 | 12.00 | 8.20 | 0.29 |