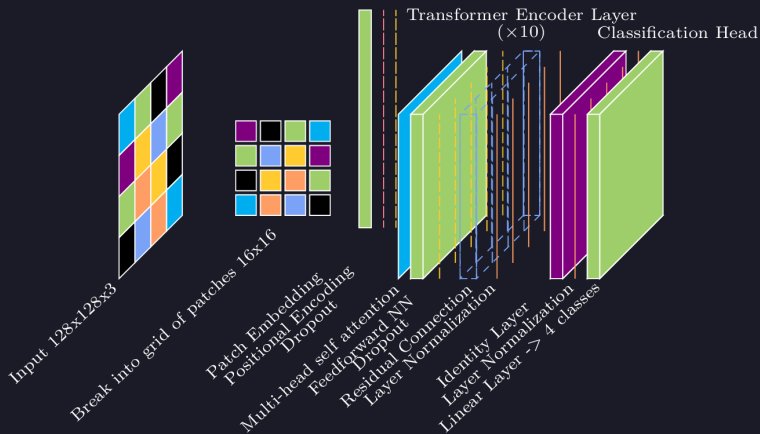


VIT Architecture



Number of parameters: 21459460

Training Details

VIT training and model parameters:

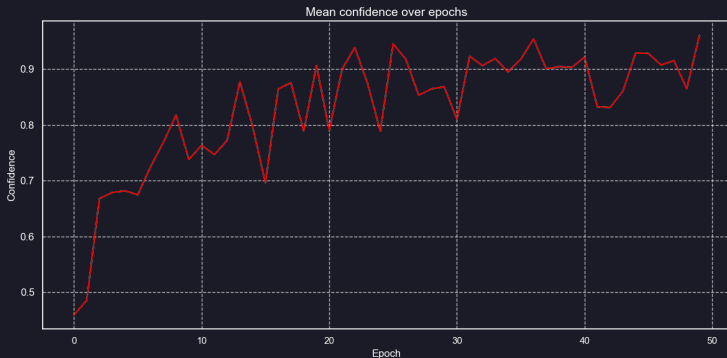
- **Epochs:** 50
- **Optimizer:** Adam (weight decay 1×10^{-5})
- **Scheduler:** stepLR (step size 10, gamma 0.5)
- **Loss function:** Cross-entropy
- **Learning rate:** 1×10^{-4}
- **Batch size:** 64 (both training and validation)
- **Activation function:** Mish
- **Dropout rate:** 0.2
- **Image size and Patch size:** 128×128 , 16×16
- **Number of heads:** 8
- **Number of layers:** 10
- **Patch embedding dimension:** 512
- **Feedforward dimension:** 1024

Training Loss and Accuracy



- Final training loss: 0.27
- Final training accuracy: 90%

Confidence and Test Accuracy



- Final training confidence: 96%
- Final test confidence: 93%
- Final test accuracy: 88%