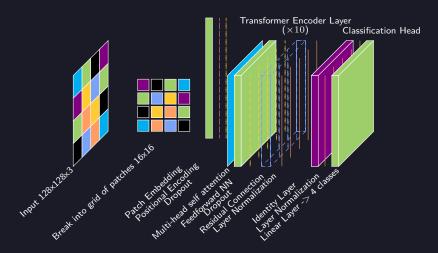
VIT Architecture



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
- \bullet Final training accuracy: 90%

Confidence and Test Accuracy



• Final training confidence: 96%

 \bullet Final test confidence: 93%

• Final test accuracy: 88%