

Morphing Process

Bonafide Sample 1



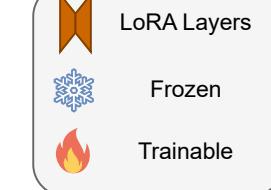
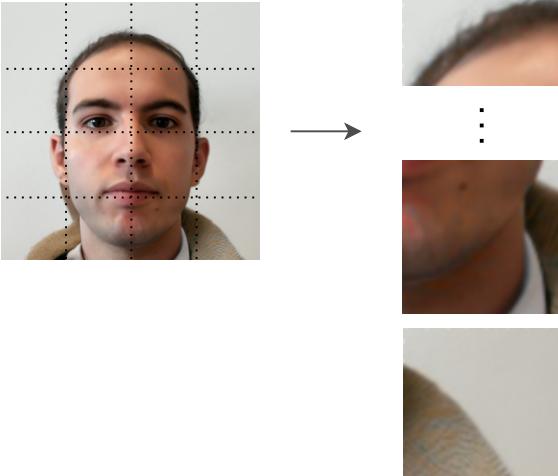
Morphing Attack



Bonafide Sample 2



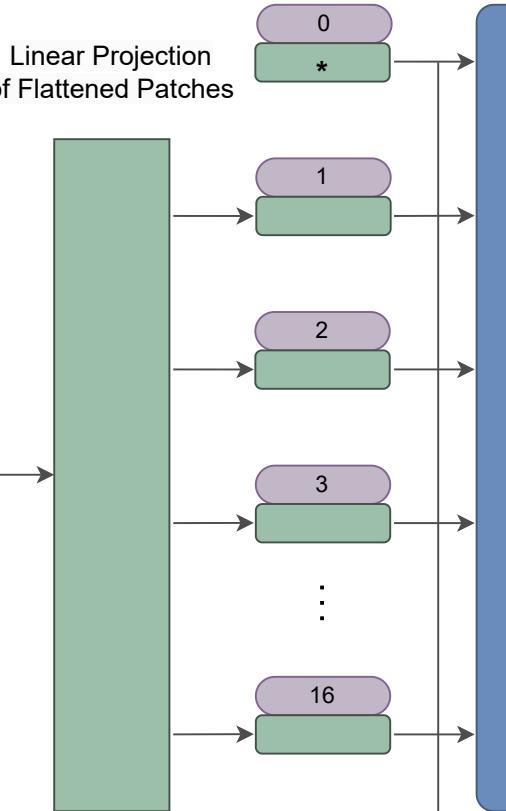
Investigated Image



Patch + Position Embedding

* CLS token

Linear Projection
of Flattened Patches



Transformer Layer



Binary Classification
FC Layer

CLIP Features

Predicted Label
(BF or MA)

Ground Truth



L_{BCE}

Backpropagation