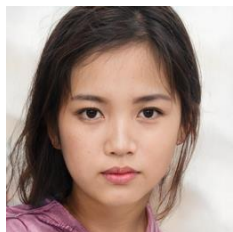
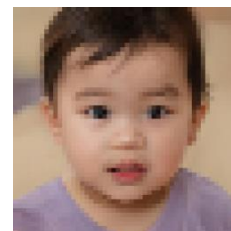


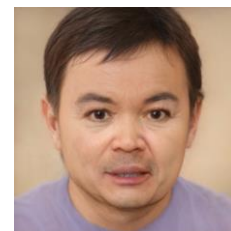
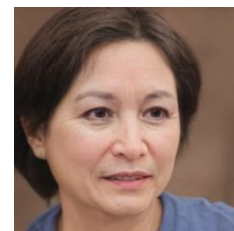
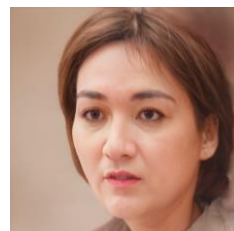
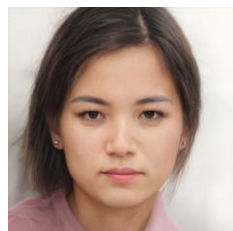
Original



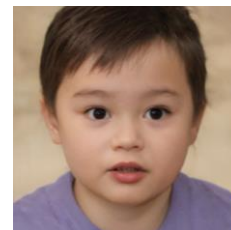
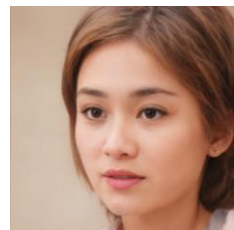
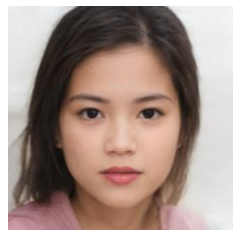
Blurred



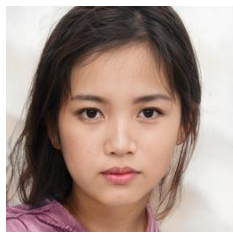
Aged



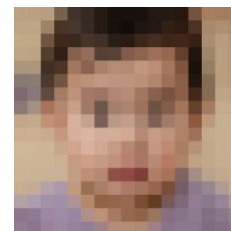
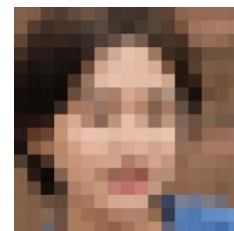
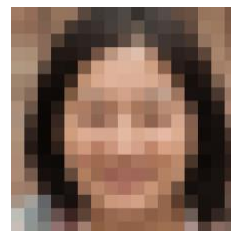
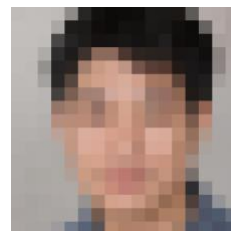
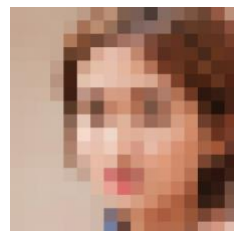
Recoverd



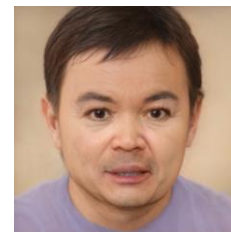
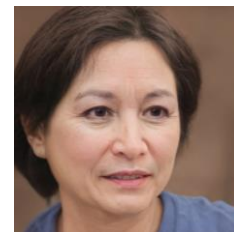
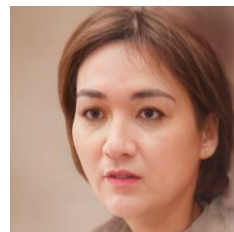
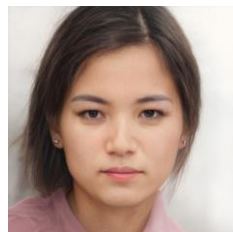
Original



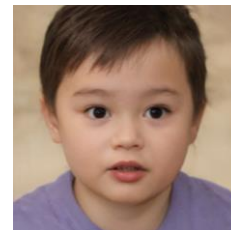
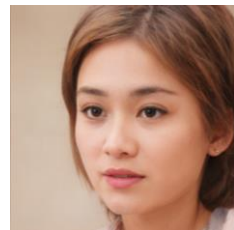
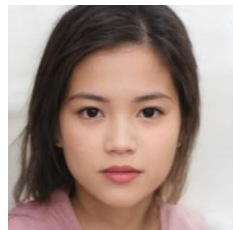
Blurred

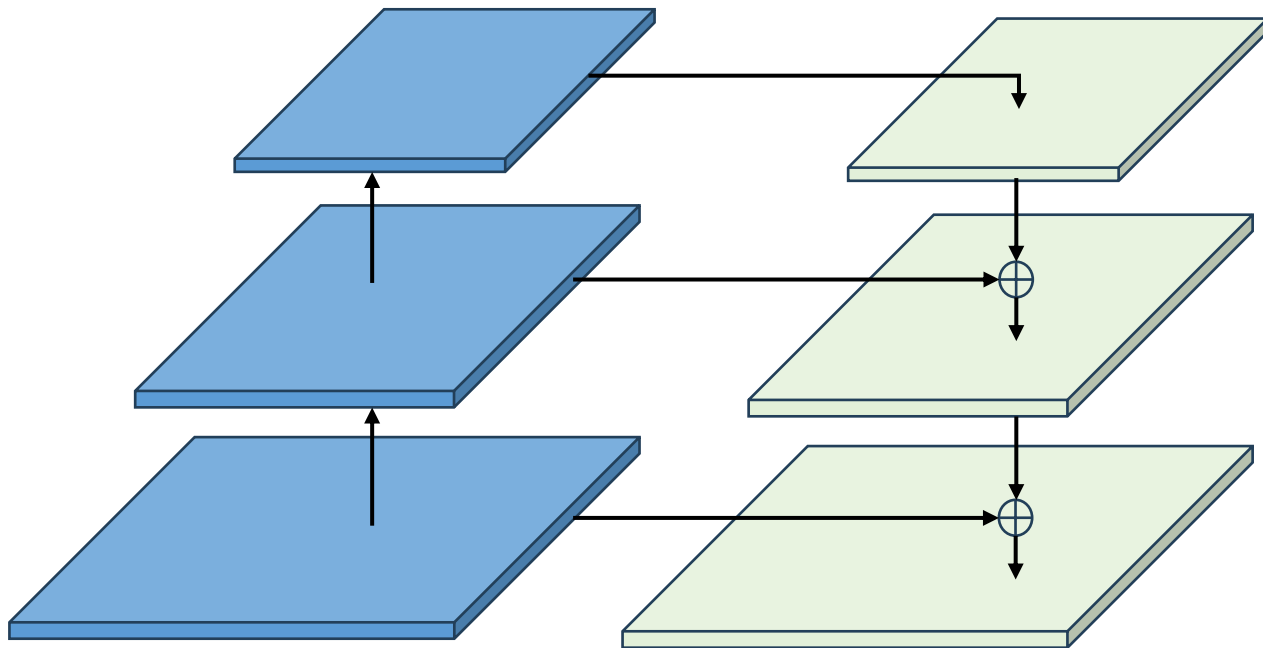


Aged



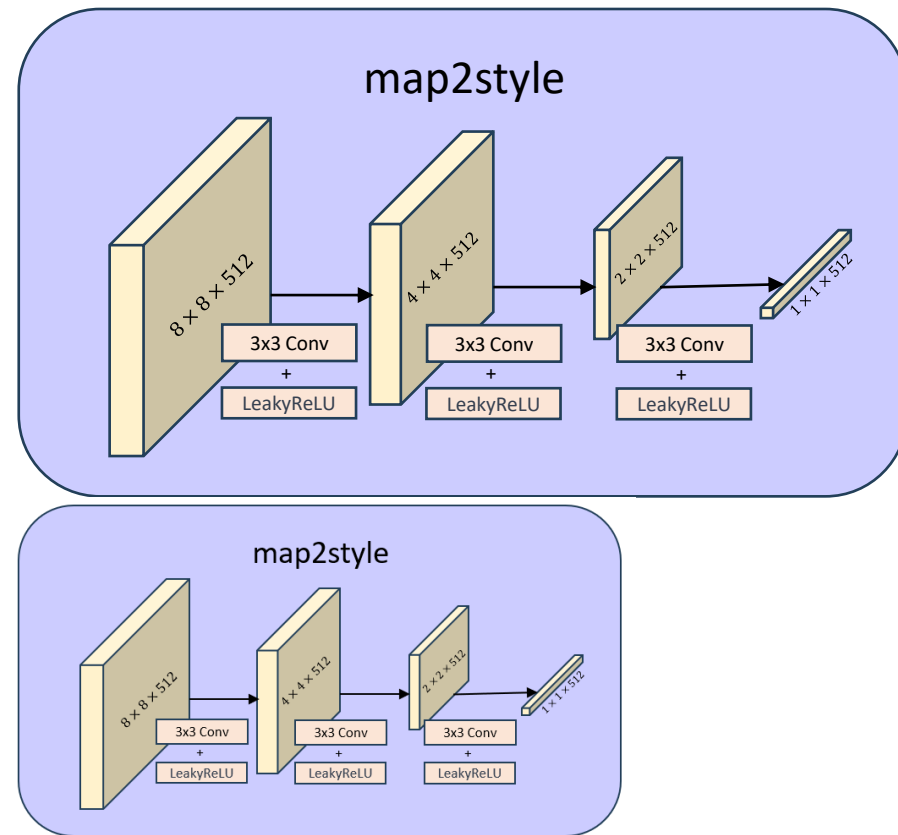
Recoverd



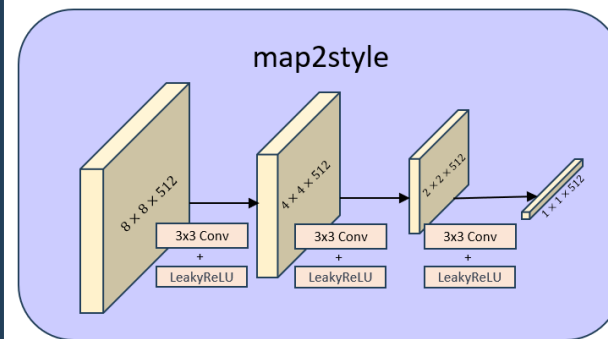
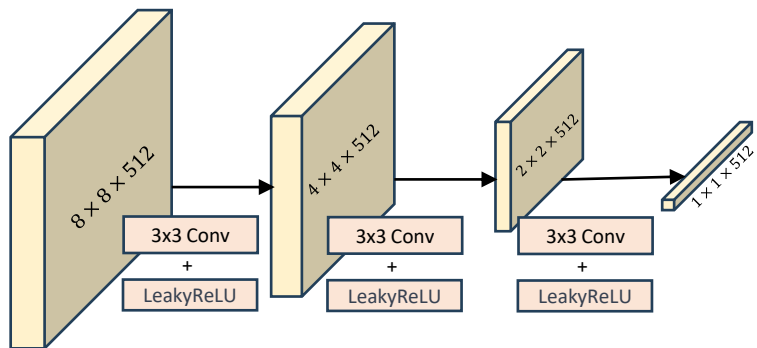


a) ResNet

b) Feature pyramid



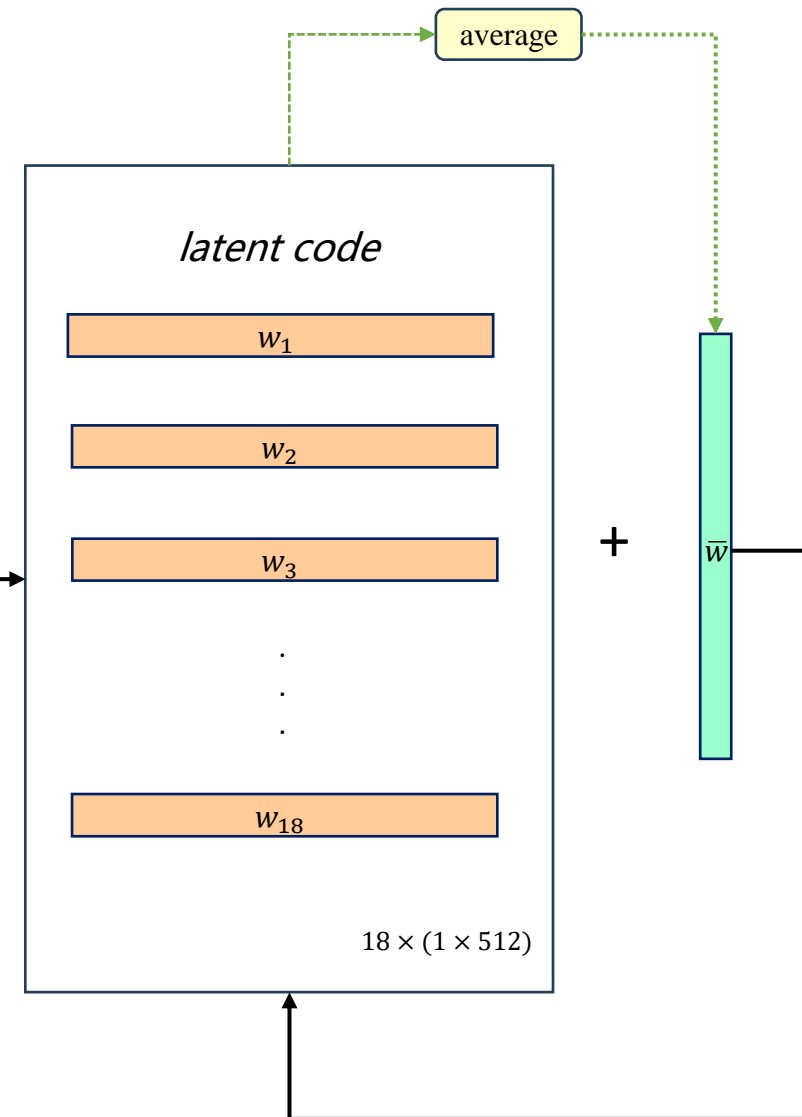
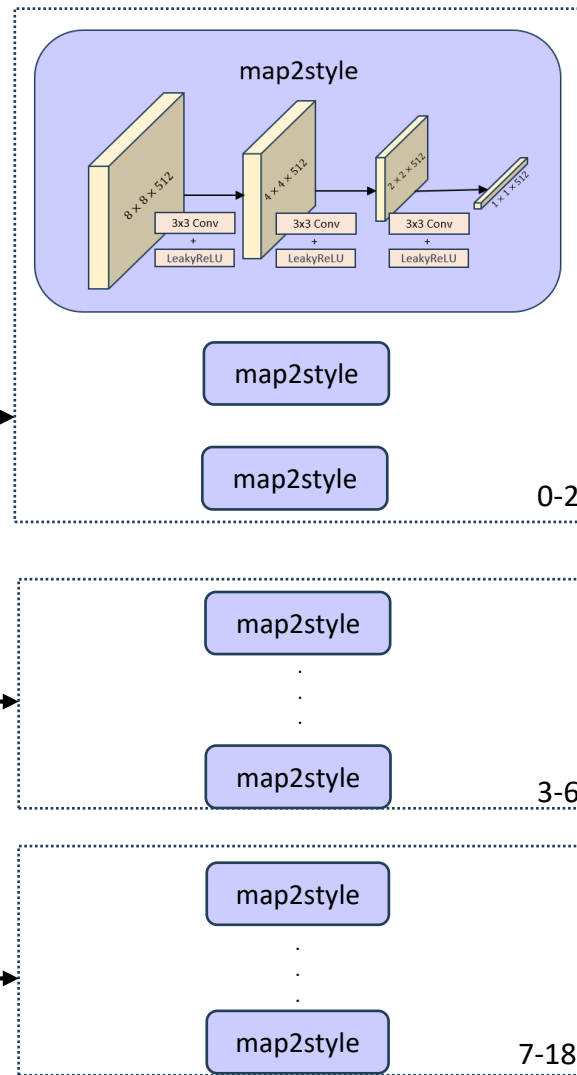
map2style





Input Image

pSp Encoder

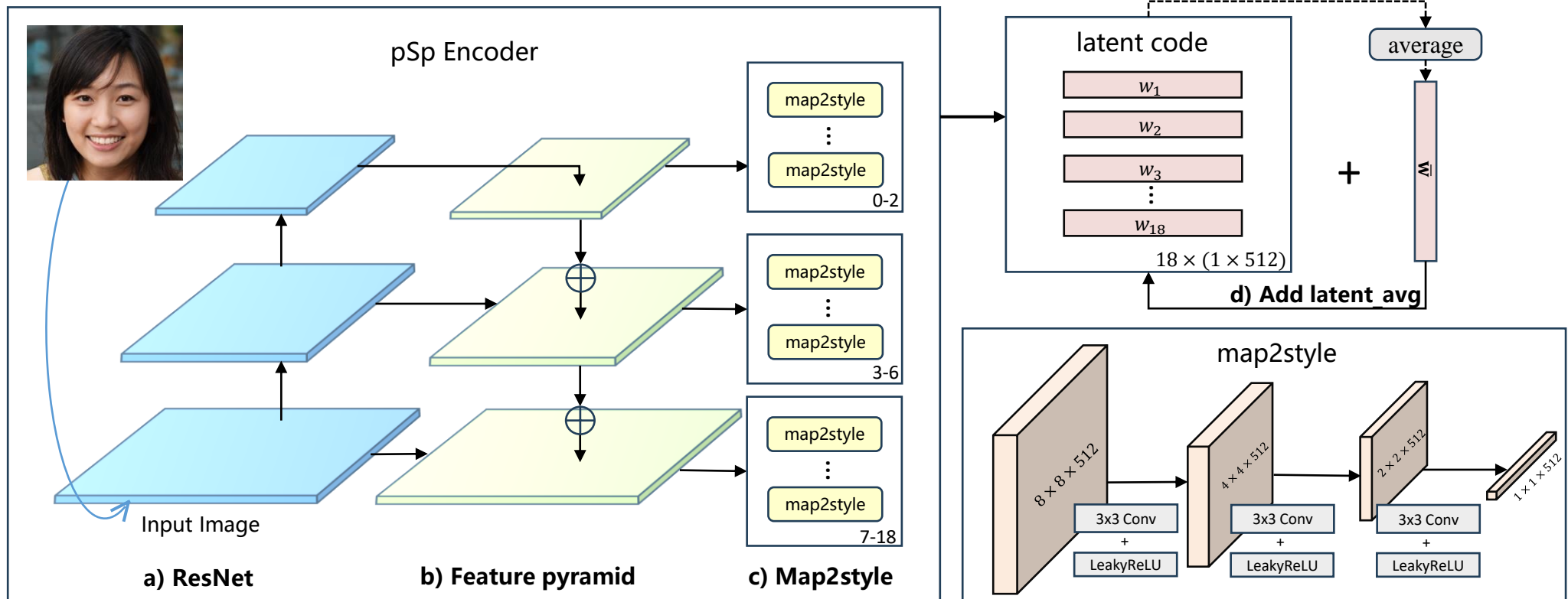


a) ResNet

b) Feature pyramid

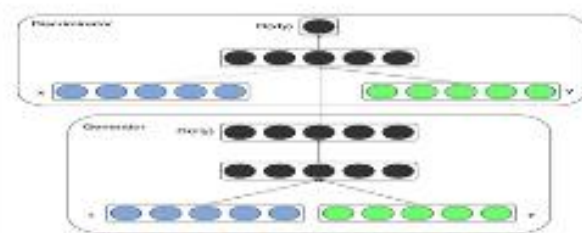
c) Map2style

d) Add latent_avg





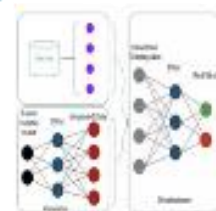
Extracting semantic features of face and encrypting transmission



GAN I



Cloud storage of semantic secret key



GAN II



Query human face terminal



Results output



Face Detection & Gaussian encryption



video local storage

