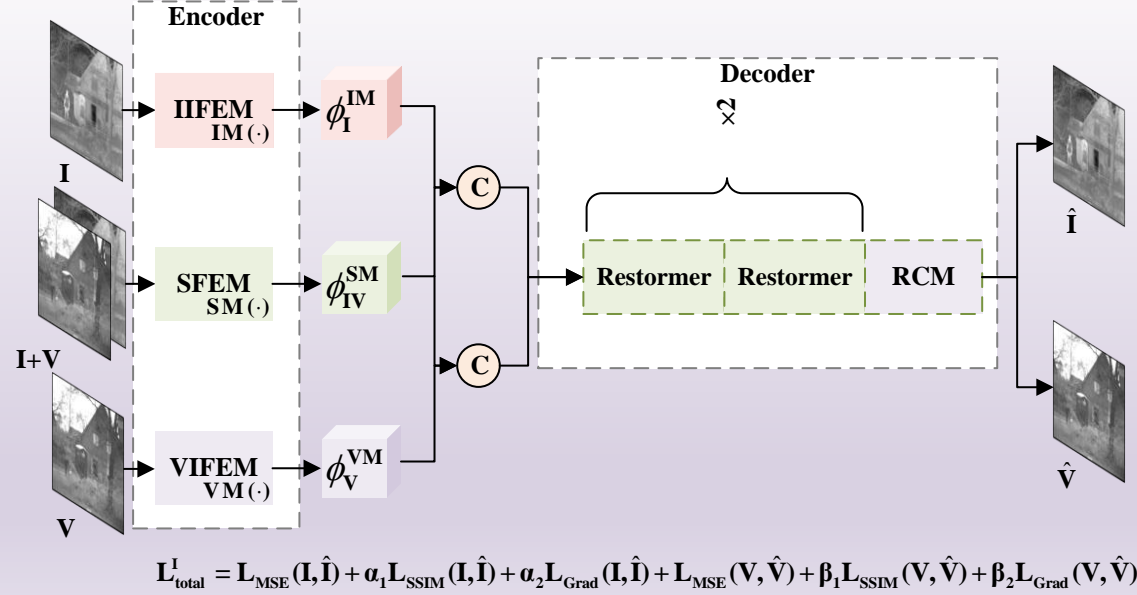
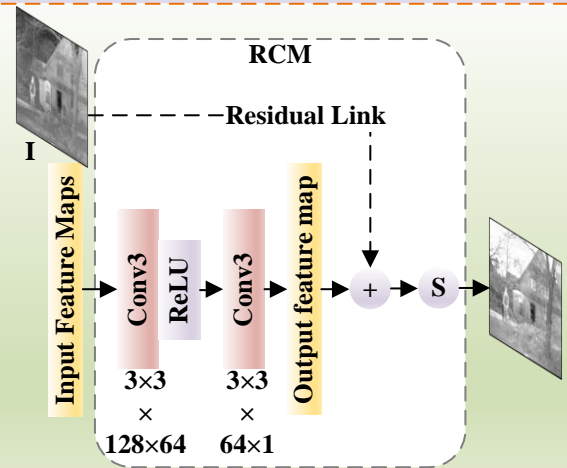
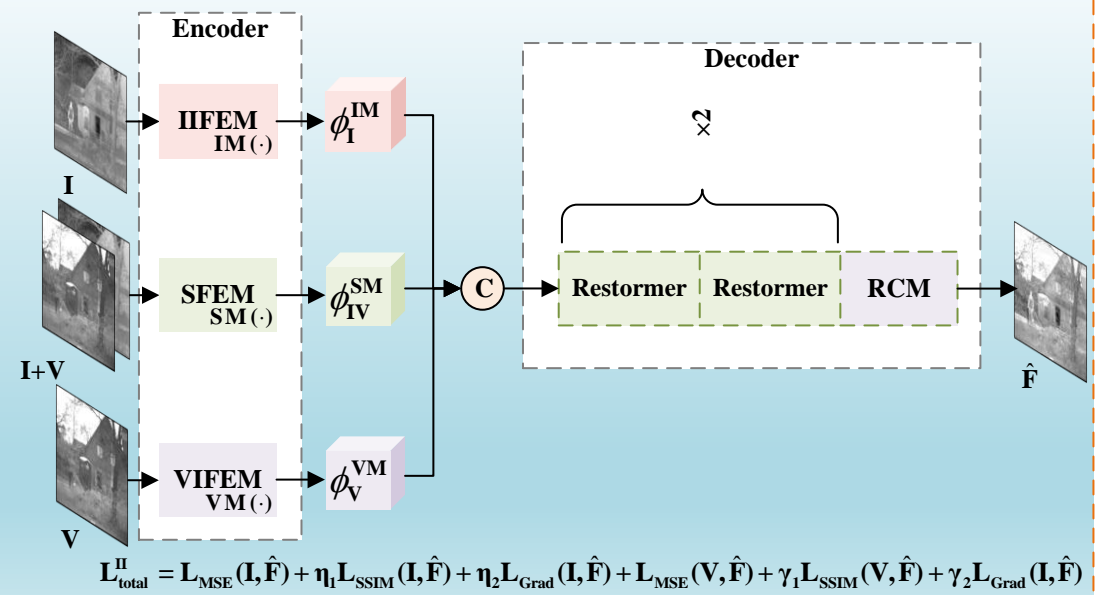


(a) Training Stage I



(b) Training Stage II



IIFEM_{IM}(·) : Infrared image feature extraction module

ϕ_I^{IM} : Infrared Feature Maps

Restormer : Multiple Attention Module

SFEM_{SM}(·) : Shared Feature Extraction Module

ϕ_{IV}^{SM} : Shared Feature Maps

RCM : Reduction of Channel Module

VIFEM_{VM}(·) : Visible Image Feature Extraction Module

ϕ_V^{VM} : Visible Feature Maps

3×3
×
128×64 : 3×3 Convolution (128 Input Channels, 64 Output Channels)