Thermal Domain   *Visible Domain*
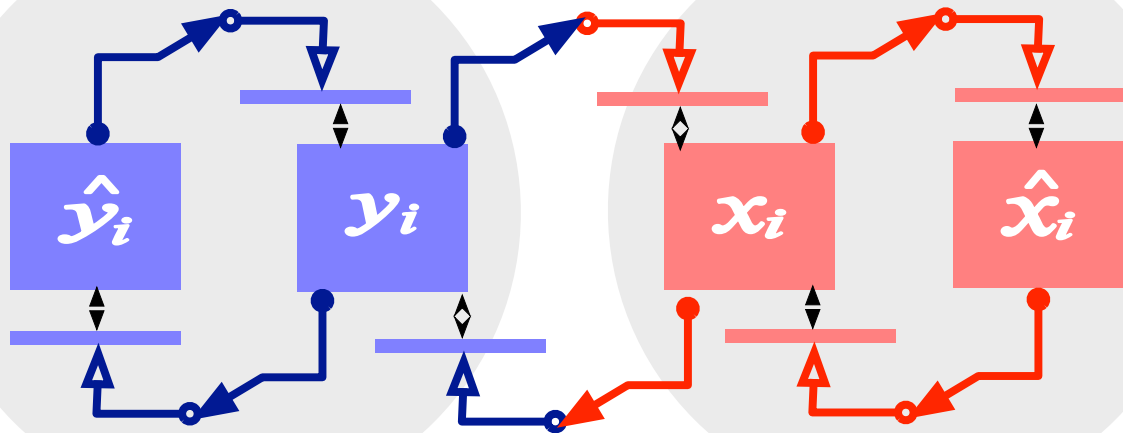
Thermal Feature Extractor: $\mathcal{F}_T$

Thermal Reconstructive Network: $\mathcal{R}_T$

Visible Feature Extractor: $\mathcal{F}_V$

Visible Reconstructive Network: $\mathcal{R}_V$

Generated Thermal Image

Generated Visible Image

Appearance–Invariant Embedding Loss

Modality–Invariant Embedding Loss