

Source

 X_s feature extractor \mathcal{F} F_s^h

MBATrans

 \tilde{F}_s Y_s  \oplus L_{global} L_{seg} discriminator \mathcal{D}^f L_{ce}^f L_{adv}^f discriminator \mathcal{D}^h L_{adv}^h $L_{\text{ce}}^{\ell h}$ discriminator \mathcal{D}^{ℓ} L_{adv}^{ℓ}

Multi-Discriminator Module (MDM)

 X_t F_t^h F_s^{ℓ} F_t^{ℓ}

Generator


High-level Classifier

 P_s^h P_t^h

Low-level Classifier

 P_s^{ℓ} P_t^{ℓ}

Target

 \longrightarrow : source domain \dashrightarrow : target domain
 : Source label
 \oplus : weighted sum \mathcal{P} : Pool