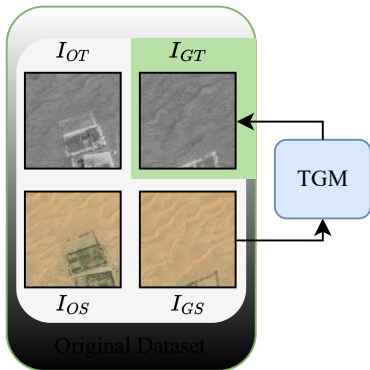
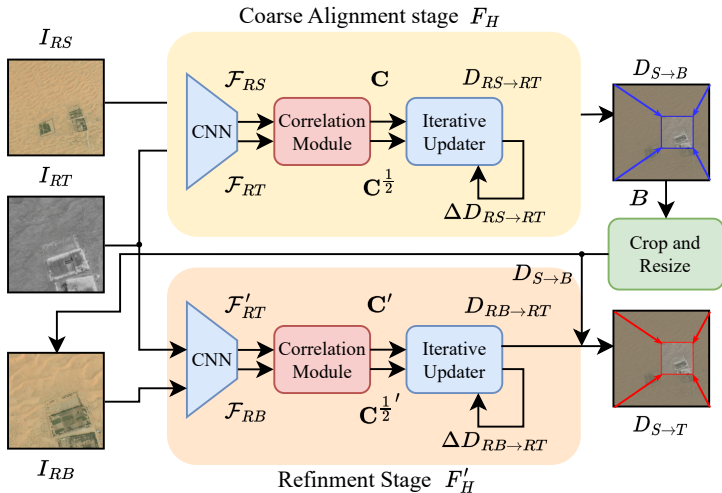


Data Preparation Phase

Extended Dataset



Deep Homography Estimation Phase



I_{OT} : Real thermal data

I_{RS} : Resized satellite images

\mathcal{F} : Feature maps

ΔD : Update of Displacements

I_{GT} : Generated thermal data

I_{RT} : Resized thermal images

\mathbf{C} : Correlation volumes

D : Displacements

I_{OS}, I_{GS} : Real satellite data

I_{RB} : Resized cropped satellite images by B

B : Cropping bounding box