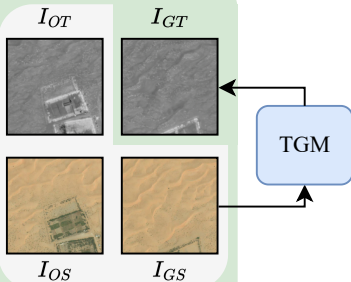


Data Preparation Phase

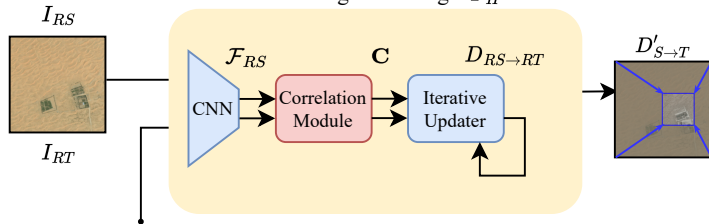
Extended Dataset



Original Dataset

Deep Homography Estimation Phase

Coarse Alignment stage F_H



| | | | |
|--|--|-------------------------------------|--------------------------------------|
| 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 | \mathcal{C} : Correlation volumes | D : Displacements |
| I_{OS}, I_{GS} : Real satellite data | I_{RB} : Resized cropped satellite images by B | | B : Cropping bounding box |