



 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: Cropping bounding box