



 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 C: Correlation volumes D: Displacements

 I_{OS}, I_{GS} : Real satellite data I_{RB} : Resized cropped satellite images by B: Cropping bounding box