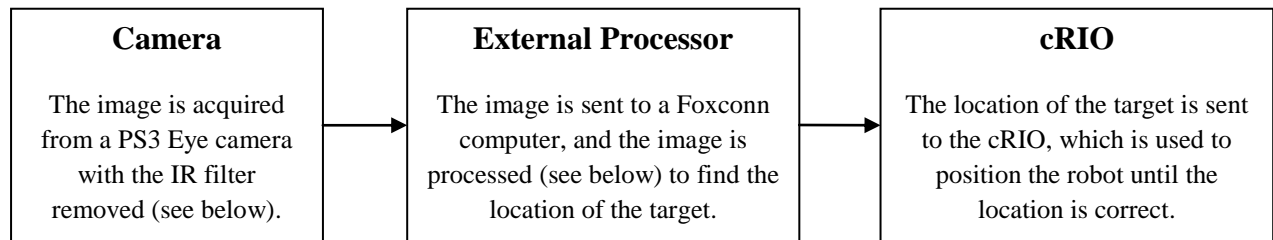
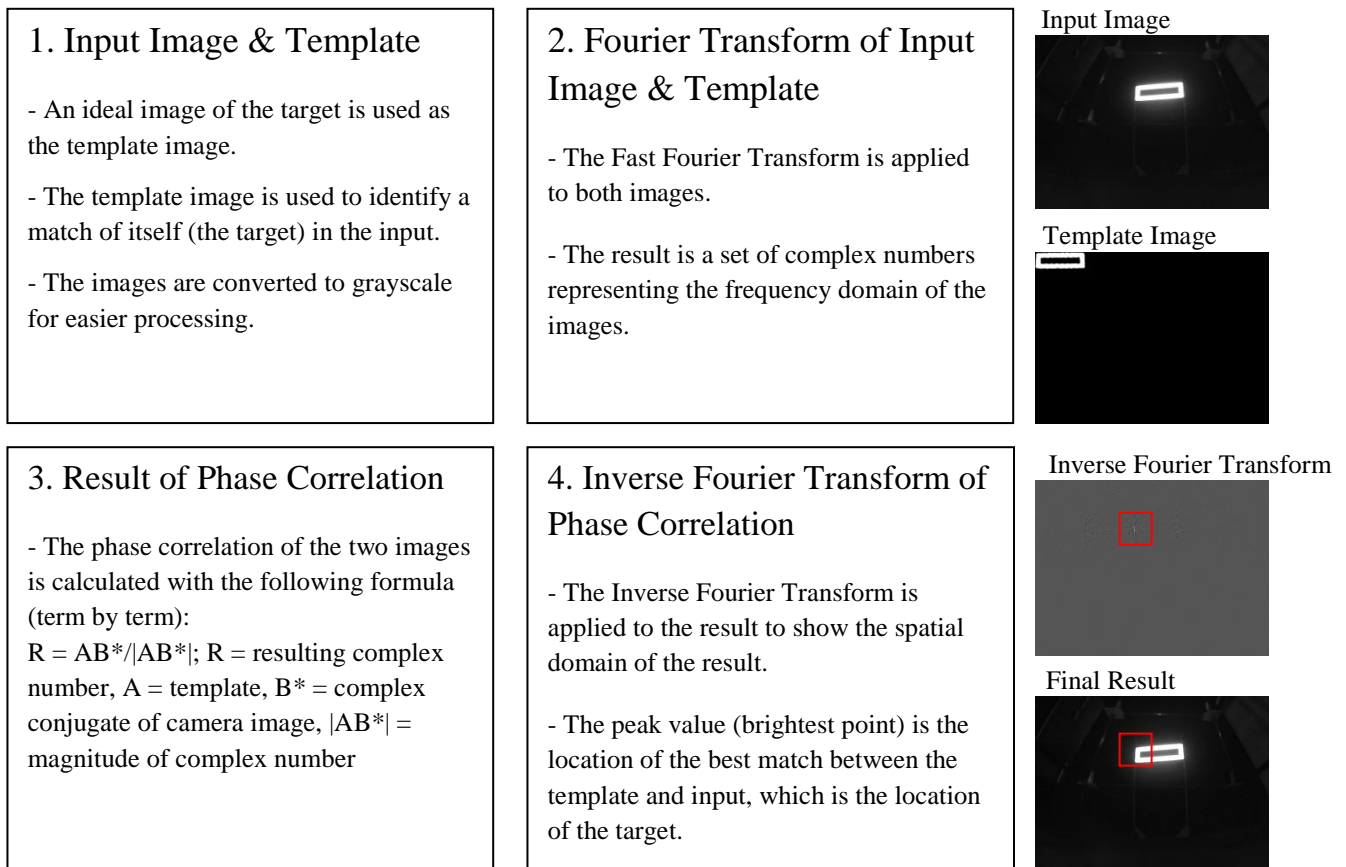


Lining Up to Goal Target

Overall Process for Lining Up to the Target



Finding the Location of the Target (Phase Correlation)



Camera Filtering & Lighting the Target

To filter out irrelevant data, we removed the infrared filter from the camera to limit the image to infrared light only. This allows the camera to only sense what we illuminate with infrared light.

To light up the reflective tape of the goal, we use a ring of bright infrared lights around the camera. The infrared light reflects back clearly from the reflective tape, making the target the only object visible to the infrared-only camera.

