

Image alignment via SIFT

converted gray images

Gray image1



Gray image 2



detect keypoints

img1_keypoints



img2_keypoints



matched keypoints pairs



transform matrix

```
[[ 8.46609235e-01 -2.21802894e-02  9.18998890e+02]
 [-3.50460925e-02  9.55463912e-01  5.45922528e+01]
 [-7.61411535e-05 -1.01652866e-06  1.00000000e+00]]
```

transformed result



stack



Panorama stitching

Result

