How to stitch photos from Xiaomi Mijia MI SPHERE 360 Camera in PTGui

As a temporary solution, I have started to stitch photos from Xiaomi Mijia MI SPHERE 360 Camera in PTGui. It is nothing advanced, and everyone with PTGui can try it.
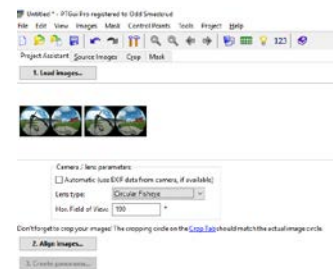
Here is my workflow

1. Download the original picture form the SD card. It should appear similar to this:

2. Make a copy of the picture, so you have two identical pictures, name them e.g. left and right for easy reference

3. Open PTGui and load the images.
   I use these parameters:
   Lens type: Circular Fisheye
   Hor. Field of view: 190º

4. Hit the crop tab
   Choose individual crop at the right side of the screen
   Set the circular crop as accurate as possible

   Hit align images.
   Then, the image is generated, but maybe it is not properly aligned

5. The Straighten panorama function probably does not work, but you can drag the panorama manually with the mouse to get it levelled up.

6. After Creating panorama, I normally use Affinity Photo to patch the Nadir (get rid of myself, tripod or whatever for finish the panorama.

7. After the Nadir patch, the panorama looks like this: