Algorithm Parameters

Registered Images

Second Image

Reference Image

(1) UR-SIFT Feature Points Extraction:
   Scale-Space generation
   Extremum points extraction
   Determination of number of points for each scale layer ()
   and Scale-layer Gridding
   Determination of number of points for each cell ()
   Selecting feature points according to their difference of
   Gaussian value
   Specifying Distinctive feature points by entropy

(2) Finding Correspondences:
   PIIFD descriptor generation
   Cross matching of descriptors

(3) Outlier Rejection:
   Discard mismatches until RMSE< Threshold
   Remove remaining incorrect matches by the ratio
   of distances of two matches

(4) Parameter Estimation of Transformation Model

Figure 4