Abstract

This paper a new biometric method for personal identification is been presented by iris identification of a person in lower dimensionality and reduced template size than the other previous approaches in 2D Eigen space, so that it can be use for verification in application areas. Here the iris images are expressed in lower dimension, re-tending its features by using covariance matrix and Eigen matrix to a covariant-Eigen space vector. The proposed approach is also suitable to work on half iris image. The proposed approach shows high accurate result.
Improved Iris Recognition in 2D Eigen Space

- CASIA Iris Image Database Version 3.0 (CASIA-IrisV3), Available: www.biometrics.idealtest.org

Index Terms
Keywords
  Covariance matrix  Eigen matrix  Covariant-Eigen space