



Review on Iris Based Security System Using Edge Detection Mechanism

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Abstract:- Iris recognition is the method of biometric to be identify it's use mathematical recognition techniques on video images of one or both of irises of an individual eye, whose difficult random patterns are unique, stable, & can be seen from some distance. Digital templates encoded from these patterns by mathematical & statistical algorithms allow identification of an individual or someone pretending to be that individual. Databases of enrolled templates are searched by matcher engines at speeds measured in millions of templates per second per (single-core) CPU, & within remarkably low false match rates.

[1] INTRODUCTION

Iris recognition is an automated method of biometric identification that uses mathematical pattern-recognition techniques on video image of one / both of irises of an individual's eyes, whose complex random patterns are unique, stable, & could be seen from some distance.

Not confusion to be few frequently, ocular based biometric technologies such as retina scanning, iris recognition uses video camera technology within subtle near infrared illumination to acquire images of detail-rich, intricate structures of iris that are visible externally. Digital templates encoded from such patterns by mathematical & statistical algorithms allow identification of an individual. Databases of enrolled templates are searched by matcher engines at speeds measured within millions of templates per second per (single-core) CPU & within remarkably low false match rates. Several hundred millions of persons in several countries around world have been enrolled in iris recognition systems, for convenience purposes such as passport-free automated border-

crossings, & some national ID systems based on this technology are being deployed.



Fig 1 Iris recognition

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ISSN : 2278-6848



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