Abstract

Face recognition is a kind of automated biometric identification technique that recognizes an individual based on their facial features as essential elements of distinction. The research on face recognition has been actively going on in the recent years because face recognition spans numerous fields and disciplines such as access control, surveillance and security, credit-card verification, criminal identification and digital library. In this paper we discuss past research on biometric face feature extraction and recognition of static images. We will present implementation outline of these methods along with their comparative measures.

Reference

Survey of Face Recognition Techniques


Index Terms

Computer Science

Machine Vision

Key words

Automatic face recognition

Appearance based recognition

Principal component

Feature extraction

Maximum likelihood

Hidden Markov Model Based method (HMM)

statistical approaches

template based approaches

and feature based methods

eigenface

fisherface

Fisher's Linear Discriminant (FLD)

Gabor Filter
Gabor Coefficients