

COMPRESSION ALGORITHM'S IMPACT ON FINGERPRINT

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Abstract

We are focusing our investigation to the impact of using different lossy compression algorithm's on the fingerprint images. The reason for focussing our investigations to fingerprint recognition is a biometric modality is expected to be used in travel documents e-Passport. In this application scenario, compression technology is even more interesting compared to classical biometrical recognition applications due to the required storage of template data on IC cards.

Keywords: Fingerprint recognition, image compression, biometrics