A Review on Image Encryption Technique and to Extract Feature from Image

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Abstract

The security of image data from unauthorized users is important hence image encryption play an important role in hiding information. This survey paper measure up the different encryption techniques for securing multimedia data with objective to give complete review on the various encryption techniques. This paper presents a review of survey literature published from 2008 to 2015 in aspect of different image encryption/decryption techniques with tabular form and the algorithms used to extract the features from the images.

References

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Index Terms

Computer Science

Image Processing

Keywords

Encryption, feature extraction, color, texture, algorithms. the correlation between image elements was significantly decreased. Results also show that increasing the number of blocks by using smaller block sizes resulted in a lower correlation and higher entropy [1]. An Image Encryption Approach Using a Combination of Permutation Technique Followed by Encryption: It is a new permutation technique based on the combination of image permutation and a well known encryption algorithm called Rijndael. The original image was divided into 4×4 pixels blocks, which were repositioned into a permuted image using a permutation process, and then the generated image was encrypted using the Rijndael algorithm [2]. Younes results show that the connection between image elements was significantly decreased by using the combination technique and higher entropy was attained.