Abstract

Because of improvement of technology, at present data security is drawn attention to all. Image is an important medium of communication. An image can say thousands of words. So, improvement of image security is more important than security of text. Image is nothing but combination of some pixel values. On the other side, every pixel can be converted into binary value. In this paper, a new image encryption method is proposed based on displacement of RGB value with one time pad. Any 3D image can be encrypted using this method. The result shows that the proposed algorithm has large key space. So it can resist brute force attack as well as other attacks.

References

A New Image Encryption Technique Combining the Idea of One Time Pad with RGB Value


Index Terms

Computer Science

Information Sciences

Keywords
RGB, DES, AES, Encryption, Image RGB Color Components