Abstract

Digital communication has become an essential part of infrastructure now-a-days, a lot of applications are Internet-based and in some cases it is desired that the communication be made secret. Two techniques are available to achieve this goal: cryptography and steganography. In this paper, various digital steganographic techniques are implemented which are capable of producing a secret-embedded image that is indistinguishable from the original image to the human eye. A comparative analysis is made to demonstrate the effectiveness of the proposed methods. The effectiveness of the proposed methods has been estimated by computing Mean square error (MSE) and Peak Signal to Noise Ratio (PSNR).

Reference

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Index Terms

Computer Scince

Information Security
Key words

Information hiding

Inverted Pattern

Approach

Pixel value differencing

Steganography

LSB Steganography