Abstract

Steganography is a technique for the secure transmission of data over the network. In this process, the secret information is transmitted by hiding this behind a signal or image or video. LSB technique can be used for hiding images in 24-bit, 8-bit or gray scale format. In this process image is divided into different regions for the detection of least significant bits available in different images. Image pixel available in the image is a combination of three different colours red, green and blue. Modifications over traditional LSB method are introduced to increase the amount of data that can be hided in the cover image. In addition, to increase data protection our algorithm have a built in encryption technique. As LSB the output image of algorithm will look identical to the cover image.

Improving Image Steganography using Random Password Generation for Secure Transmission of Data


Index Terms

Computer Science

Security

Keywords

Lsb & Isb  Image  Security  Steganography  Psnr  Mse