Abstract

Steganography is an important area of research in recent years involving a various number of applications. It is the science of embedding information into cover of the media such as text, image, audio, and video. This paper uses two techniques for Steganography (text into image): Least Significant Bit (LSB) and Least Significant Bit with Huffman code (LSB+HUFF). It uses the zigzag scanning for the two methods to increase the security, and compares the results using Peak Signal to Noise Ratio (PSNR). All images used here is a gray scale images to implement the study; what implemented on gray scale image can be applied on colored image.

References

- Joyshree Nath, Sankar Das, Shalabh Agarwal, and Asoke Nath. Advanced
- Iain E. G. Richardson. H.264 and MPEG-4 Video Compression.

Index Terms
Computer Science  Security

Keywords
Least Significant Bit (LSB)  ASCII code  Peak Signal to Noise Ratio (PSNR)  zigzag scanning