Enhance Steganography Techniques: A Solution for Image Security

Abstract

Steganography word is making from two words: one is Steganos that means "covered or secret"; and second is the graphic that means "writing". Similarly Cryptography word is also making from two words: one is Crypto that means "alter original word meaning"; and second is the graphic that means "writing". In this work, Enhance Steganography technique with cryptograph technique is proposed, developed and analyzed. The proposed technique encrypts the confidential image by the proposed encryption technique initially and then hides the cipher image by Steganography technique which is using randomization techniques during selection of LSB. The results of the proposed technique are discussed and analyzed based on the peek signal to noise ratio (PSNR) and Correlation. The proposed technique is simple, fast secure and efficient, it strong to attack and better the image quality.

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Keywords