A Video Encryption and Decryption using Different Techniques

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Abstract

Inside the current years with the development of internet technologies, video technology were widely used in television, conversation and multimedia, so protection is required on video statistics. Although a good deal video encryption method has been develop however no longer provide so much performance in terms of encryption and decryption technique. A method for embedding records in scrambled AVI video is described. The embedding method is applied to the video collection collectively with the video scrambling set of rules. In this paintings extraordinary forms of clippers are used to process the encryption and decryption. In an increasing number of image and video processing issues, cryptographic techniques are used to implement content material get admission to manage, identity verification and authentication, and privacy safety. Every other category of algorithms is based totally on scramble (permutation) best methods, wherein the DCT coefficients are permuted to offer confusion. Their isn't any authentication and protection in this and circulation chipper is used which eat extra time to technique the video and frame technology isn't used which provide protection and authentication to the person. I have also reviewed DCT technique for encryption and decryption.
this is implemented in my studies paintings and specific parameters are calculated. We are getting the accuracy 92% in the shape of PSNR in case of DCT. Because it's far offering the compression additionally.

References

Based on Special Huffman Coding and Rabbit Stream Cipher”, Developments in E-systems Engineering 2011.


**Index Terms**

Computer Science  
Security

**Keywords**

Multimedia security, contents access control, video scrambling etc.