Secure Data Transmission Using Video Cryptography

ABSTRACT

Secure data transmission over the unsecured internet is an important aspect in data communication. For secure data transmission, combinations of cryptography and steganography techniques are most widely used.

Here, a very simple and real time algorithm, using pixel mapping is used for the encryption of the images which are the basic building blocks of any video file.The data is first encrypted using an encryption algorithm.The pixel values are changed and after the completion of the pixel value changing of all the images is placed in a sequential manner and then all the frames are cascaded for generation of the original video file with encryption. This new video is almost similar to the original video file with no changes visible to the naked eye.

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