

Available Online at www.ijcsmc.com

International Journal of Computer Science and Mobile Computing

A Monthly Journal of Computer Science and Information Technology



ISSN 2320-088X

International Conference on Mobility in Computing- ICMiC13, Organized by Mar Baselios College of Engineering and Technology during December 17-18, 2013 at Trivandrum, Kerala, India, pg.153 – 157

SURVEY ARTICLE

Lossy Compression and Reconstruction for Encrypted Image

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Abstract— *This paper introduces a novel scheme for Lossy compression of an encrypted image with flexible compression ratio. Usually we first compress an image, and then encrypt it. Here first encrypt the image, and then compress it. At the transmitter side compression of the original image is made by Discrete Cosine Transform (DCT). At the receiver side image reconstructed by Inverse Discrete Cosine Transform (IDCT). The novelty of this paper is reversing the order of steps usually preferred, that is first encrypting and then compressing.*

Keywords— *Lossy compression; encryption; Discrete Cosine Transform; Inverse Discrete Cosine Transform; Compression*

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