Abstract

In this paper we have proposed digital watermarking scheme for halftone images based on visual cryptography scheme. The scheme does not embed the watermark directly on the halftone image instead watermark will be divided into the parts called as shares. The scheme not only protects the watermark but also provides an effective copyright protection scheme. At the time of watermark embedding verification share is generated and at the time of watermark extraction master share is generated using (2, 2) visual cryptography scheme. Verification share and master share are used to extract the watermark pattern. The experimental results show that the scheme is robust and transparent against various watermarking attack.

References

- Chunlin Song, Sud Sudirman and Madjid Merabti, "Robust Digital Image
Halftone Image Watermarking based on Visual Cryptography


Index Terms

Computer Science  Security

Keywords

Digital Watermarking  Visual Cryptography Scheme  Error Diffusion  Halftone