Abstract

Bar code provides convenient way for people labeling a tag on a product so that people can easily and quickly identify the content of product itself. Large information of any product can be store in the form of bar codes which reduces the size of data. When this bar code contains important data or privacy information, the risk of security becomes an important problem. This paper proposes a secret sharing mechanism to enhance the security and data privacy for bar codes. The proposed technique uses Thein and Lin's image secret sharing to improves barcode image security during transmission. It also provides compressed shares of the barcode which reduces overhead of bandwidth in the network.

References

Securing Barcodes Using Compressed Secret Sharing Scheme


Index Terms

Computer Science                                Information Sciences

Keywords