Abstract

Barcode localization is the main challenge in developing an image-based barcode reading system. Bar codes are able to carry both explicit information and a database key, by encoding a series of characters or symbols. This paper deals with localization of European Article Number-13 (EAN-13) barcode in an image. A new approach for detecting and locating bar-codes is introduced here, which is based on the curvelet transform. All extracted feature by curvelet transform are applied to the neural network for training and testing. The performance of the proposed work shows efficient result.

References

Barcode Localization using Curvelet Transform and Neural Network

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Index Terms

Computer Science Image Processing

Keywords
EAN-13 Barcode Curvelet transform Neural Network.