Abstract

Image enhancement is the process of enhancing the image from the poor quality image to a visually pleasing image. The basic purpose of using image enhancement technique is to enhance the quality of the image. Image enhancement performs contrast enhancement and intensity transformations of the original image. Image enhancement is performed to obtain the image from the noising image so that it can be processed in future and can be used for further processing. At the time of acquisition, image can be corrupted or the contrast of the image may not retain its originality or due to the entrance of the noise. Thus to use this image for further processing it must be human viewing. Therefore, techniques are used for the enhancement of the image for years. Conventional image enhancement techniques do not obtain the quality oriented for specific applications. As a result, new technique is created in this paper which is based upon Brightness Preserving Bi-Histogram Equalization (BBHE) and Discrete Wavelet Transform (DWT) having LUV color space that produce good contrast images having less noise and blurriness.
References


Combination of Brightness Preserving Bi-Histogram Equalization and Discrete Wavelet Transform using LUV Color Space for Image Enhancement

Index Terms

Computer Science        Image Processing

Keywords

Image Enhancement, High Equalization, BBHE equalization, LUV color Space, DWT, Multilevel Enhancement