Abstract

In this paper, morphological connected transformation technique is used to detect the background of the image is captured in poor lighting. Here the contrast image enhancement has been carried out by histogram equalization. Histogram equalization is a well known technique where image quality is improved by equally distributing pixel intensity through available grey scale. The histogram of an image represents the relative frequency of occurrence of the various gray levels in the image. This technique for equalizing the histogram gives the best possible dynamic range and strong contrast. So the image is more visible and it is useful in image enhancement techniques. Transforming an image by its cumulative histogram gives an output histogram, which is flat or equalized. These operators proposed through the processing of images with background, these are mostly captured in dim conditions.
Detection using geometrical structures and contrast. Development of images captured in dim conditions using histogram equalization technique is proposed.

References

- Z. Liu, C. Zhang, and Z. Zhang, Jul. 2007, "Learning-based perceptual image quality improvement for video conferencing", presented at the IEEE Int. Conf. Multimedia and Expo (ICME), Beijing, China, pg. 1035-1038
- Jesús Angulo, "morphological color processing based on distances application to color denoising and enhancement by centre and contrast operators", Centre de Morphologie Mathématique - Ecole des Mines de Paris, 35, rue Saint-Honoré, 77305 Fontainebleau, FRANCE, pg. 1-6
Morphological Detection in Images


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