Abstract

A flash and long-exposure image pair captured in a dark environment is blurred and noisy. To remove this blur or noise from the image pair there are so many deblurring techniques existing. In this paper implemented a new technique for Restoration of Color Images is introduced. In previous methods, image integration is performed only for well-aligned images, which is a difficult process. This problem can be solved by transferring the color of the flash image using a small fraction of the corresponding pixels in the long-exposure image. Proposed method integrates the color of the long-exposure image with the detail of the flash image using Speeded-Up Robust Features (SURF). This method does not require perfect alignment between the images than the previous methods. Proposed method generates integrated image which has a high contrast than the previous method which is based on SIFT.

References

19. Misaligned Image Integration with Local Linear Model by Tatsuya, Ryo Matsuoka, Keiichiro Shirai and Masahiro Okuda.

Index Terms

Computer Science Image Processing
Keywords

Blur, integration, SURF, aligned images