A Specular Reflection Suppression Method for Endoscopic Images
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ABSTRACT
In this paper, we proposed a specular reflection suppression method for endoscopic images. To reduce the impact of specular reflection on visual quality, the proposed method is composed of two parts: reflection detection and reflection suppression. To detect reflection regions, a thresholding algorithm is used. To suppress the effect of specular reflection, a modified image inpainting algorithm is developed. Our simulation results show that the proposed method can not only detect but also suppress specular reflection in endoscopic images. In addition, the proposed specular reflection suppression method outperforms some existing methods.

Keywords: Specular Reflection Suppression, Endoscopic Images

REFERENCES