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Medical image encryption using high-speed scrambling and pixel adaptive diffusion

Zhongyun Hua, Shuang Yi, Yicong Zhou

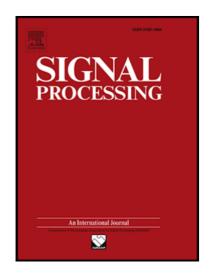
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Highlights

- We propose an encryption scheme to protect medical images using high-speed scrambling and pixel adaptive diffusion;
- It has a high security level as it can encrypt an identical image into different cipher-images, even when using the same secret key;
- We provide two implementations, which have high efficiency in hardware platforms and software platforms, respectively;
- The proposed encryption scheme has high security level, faster speed, and better robustness than several typical encryption schemes.

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