Abstract

Digital Cameras which capture images and videos are directly in digital form. Digital Images or Videos are often corrupted by impulse noises. It is caused by disturbances and corrupted in the video signal. So the image processing scheme should be one of the important part in any vision application permitting to suppress noise and improve the image performances. This demands to have number of filtering schemes are introduced such as fuzzy and non-fuzzy and linear and non-linear are used. In this paper, propose Kalman filter is used to remove the impulse noise. Kalman filter is the best and efficient filters in the sense of minimizing mean square error (MSE) and high PSNR (peak signal to noise ratio) between the original video signal and recovered video signal.

References

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**Index Terms**

Computer Science Multimedia

**Keywords**

Cameras Cameras Iso Colored Image Impulse Noise Kalman Filter Recursive Algorithms