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Analysis on background subtraction for street surveillance   (Conference Paper)

Zainuddin, N.A.,   Mustafah, Y.M. ✉,   Azman, A.W.,   Rashidan, M.A.,   Aziz, N.N.A.

International Islamic University Malaysia, Kuala Lumpur, Malaysia

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Abstract   ⌄ View references (10)

Background subtraction is a well-known technique used in computer vision applications. However, in public surveillance system, the utilization of background subtraction still new and far from being solved. Insufficient analysis of the background subtraction algorithms made the situation getting worse. The analysis of the commonly-used algorithms is presented in this paper. Experiments are conducted to quantitatively evaluate the performance of the algorithms by using three video sequences. The more suitable algorithm for various conditions is expected to be presented as the results in this paper. © 2014 IEEE.

Author keywords

background subtraction   frame differencing   GMM   KDE   Median Filtering

Indexed keywords

Engineering controlled terms:	Computer vision	Median filters

  Background subtraction
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