

## عنوان مقاله:

Surveillance Security Systems On Real-Time Basis

## محل انتشار:

ششمین کنفرانس ملی پژوهش های کاربردی در مهندسی برق، مکانیک و مکاترونیک (سال: 1399)

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## نویسنده:

Mina Malekzadeh - *Electrical and Computer Engineering Faculty, Hakim Sabzevari University, Sabzevar, Iran*

## خلاصه مقاله:

The importance of security and privacy has led to the pervasive application of video-based surveillance systems in many different areas, including the organizations, banks, hospitals, and even residential fields. However, despite their necessity and importance, for the system to function correctly in an efficient way, they need to meet some crucial requirements among which are video management by inter-operational processing and video transmission efficiency. A surveillance system that continuously monitors the given environment generates a large amount of video data. The data needs to be transmitted toward the server in a real-time manner and in a reasonable range of time. These two requirements are necessary to guarantee the correctness of the whole system. In this context, this work develops a simulation model for efficient transmission of surveillance videos over the wireless networks. the model includes 802.11ax networks in dual bands as the channel over which the surveillance videos are transmitted. The model is implemented to measure delay and jitter as the two important factors affecting the overall efficiency of the surveillance systems.

## کلمات کلیدی:

IP camera, Surveillance security, inter-operational processing

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