

Quality of service assurance for video streaming transmission in 802.11 wireless networks

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Abstract: In the context of the increasing demand for online video streaming over wireless networks, the issue of ensuring Quality of Service (QoS) for video streaming traffic has become critical. This study focuses on analyzing the challenges and solutions for video transmission in 802.11 wireless networks, aiming to build an efficient transmission system. The research method combines theoretical traffic management with experimental deployment on network devices. The expected outcome is to provide optimized QoS solutions for video streaming, contributing to the development of wireless network technology.

Keywords: service quality, video streaming, 802.11 wireless network, traffic management, transmission system