

Research on IP Cameras and the application of installing a surveillance camera system for Thanh Phuong 3 Supermarket in Thai Nguyen City.

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Abstract: In the context of increasing emphasis on security, this study focuses on evaluating the effectiveness of IP cameras in security management at supermarkets. Through a practical analysis at Thanh Phuong 3 supermarket in Thai Nguyen City, the project aims to design and deploy an IP camera surveillance system to optimize security while reducing operational costs. The research methodology combines theory with experimentation, including selecting appropriate camera types, analyzing technical requirements, and programming the management interface. The project is expected to provide an effective solution for commercial enterprises while contributing to the development of surveillance technology in the region.

Keywords: IP cameras, Thanh Phuong supermarket, surveillance system, commercial security, cost management