

Design of a product counting and sorting system.

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Abstract: This topic focuses on designing an automated system for counting and classifying products in real-world environments, aiming to address the inefficiency in warehouse management. The objective of the research is to build a system capable of accurate identification and classification with high precision, meeting the requirements of various current industries. The applied method includes both theoretical research on image classification algorithms and experimental deployment of the system in a real-world environment. The expected results will significantly contribute to the field of warehouse management, enhancing operational performance and reducing management costs.

Keywords: Product counting system, Image classification, Warehouse management, AI algorithm, Application experiment