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# Embedded Visual System and its Applications on Robots

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## About the ebook

- Embedded vision systems such as smart cameras have been rapidly developed recently despite several technical constraints. Vision systems have become smaller and lighter, but their performance has improved. This e-book provides an advanced reference work for engineers, researchers and scholars in the field of robotics, machine vision, and automation.

### Contents

- ▶ Contributors
- ▶ Introduction of Robot Vision on the Aspects from Configuration to Measurement and Control Methods
- ▶ Hardware and Software Design of an Embedded Vision System
- ▶ Embedded Vision Positioning System Based on ARM Processor
- ▶ Collaboration Based Self-localization Algorithm for Humanoid Robot with Embedded Vision System
- ▶ Application of Vision Sensor to Seam Tracking of Butt Joint in Container Manufacture
- ▶ Vision System Design and Motion Planning for Table Tennis Robot

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