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Image Processing for Embedded Devices Volume 1: Applied Digital Imaging

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About the ebook

Embedded imaging devices make use of the single-sensor technology approach. This book is devoted to cover algorithms and methods for the processing of digital images acquired by single-sensor imaging devices in the context of limited hardware resources.

Contents

- ▶ Fundamentals and HW/SW Partitioning
- ▶ Notions about Optics and Sensors
- ▶ Exposure Correction
- ▶ Pre-acquisition: Auto-focus
- ▶ Color Rendition
- ▶ Noise Reduction
- ▶ Demosaicing and Aliasing Correction
- ▶ Red Eyes Removal

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