**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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