

# Text detection

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14 février 2016

## 1 INTRODUCTION

### 1.1 TEXT DETECTION

The development of smartphones and the growing demands in content-based image understanding has made the text detection a crucial topic in machine-human interaction. It has been shown that the performance of image retrieval depends critically on the performance of text detection. For example, two book covers with different titles but identical background prove to be considered virtually indistinguish without detecting and recognizing the text.