

3.35 Text detection and recognition in images and videos

Keywords

Computer Vision, text detection, text recognition, video content analysis.

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Corporate Sponsorship Program

See Section 4 of the present document

File reference & version number:

Licence 20121015-A01

Functional description

Consumer pictures and broadcast videos often contain text that provide semantic information about the media content (e.g. name of a person appearing in the video).

Idiap has developed a set of robust tools for detecting and transcribing the text present in such media, which have been validated in several European research projects and Swiss technology transfer projects.

Innovative aspects

- Works with non black/white content (colored text, text superimposed on textured background)
- Multihypothesis text segmentation and transcription
- High text recall

Commercial application examples

- Broadcast data analysis
- Scanned document analysis

More information

D. Chen, J-M. Odobez and H. Boulard. Text Detection and Recognition in Images and Videos. Pattern Recognition, Vol. 37, pp 595-608, 2004.

Software status

A demonstration software is available.

IPR status

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