

ADAMS

Advanced **D**ata mining **A**nd **M**achine learning **S**ystem

Module: adams-opencv



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Chapter 1

Introduction

The *opencv* module integrates OpenCV functionality [2] in ADAMS.

Chapter 2

Flow

The following sources are available:

- `OpenCVDeviceFrameGrabber` – for obtaining frames from devices like webcams.

The following transformers are available:

- `OpenCVFeatureGenerator` – generates features from the incoming image.
- `OpenCVMultiImageOperation` – performs an operation on the incoming array of images.
- `OpenCVTransformer` – applies the specified OpenCV transformer to the incoming image and forwards the result (one or more images).

The following conversions are available:

- *AnyImageToOpenCV* – converts any image container to an OpenCV one.
- *OpenCVToBufferedImage* – converts an OpenCV image container to a BufferedImage one.

Bibliography

- [1] *ADAMS* – Advanced Data mining and Machine learning System
<https://adams.cms.waikato.ac.nz/>
- [2] *OpenCV* – A highly optimized library with focus on real-time computer vision applications.
<https://opencv.org/>