



Roadmap

General approach

The main goal is to create an easy to use alternative to mainstream video analysis solutions. The open nature of the project encourages brainstorming and innovative moves. However, the focus is on usability, keeping in mind that the software is just a catalyst to user's expertise.

High level roadmap

Historical and next milestones:

0.6.x - Structure and foundations

Main goal : To provide a good player for motion exploration.

0.7.x - Visual annotations

Main goal : To enable users describe motion flow and events.

Other tasks : Backup, export and sharing.

0.8.x - Motion effects

Main goal : To enable users extract the information hidden in the motion.

Other tasks : Audio support, Basic capture.

0.9.x - Notational analysis

Main goal : To enable users manage clips with complex content.

1.0.x - Performances and robustness.

Future enhancements

Some of those functions may not be implemented, others may be split or merged. They are listed here as a snapshot of the current horizon. (as of version 0.7.9)
Everything will be thought over until satisfying compromises are found.

File Management	<ul style="list-style-type: none">- File manipulation from the thumbnails panel. (delete, rename)- New tab with folder bookmarks (maybe full search or tagging)
Capture	<ul style="list-style-type: none">- Basic capture from streaming video sources.- Easy switch from captured stream to analysis.- Simple delayed playback.
Playback and annotations	<ul style="list-style-type: none">- Image rotation by 90° increments.- Special functions when the two videos are two views of a unique scene.- Leverage the perspective grid to enable length and angle measurements.- Tracking for lines and angles.- Custom shapes as drawings.- Complex motion guides.

Motion Effects	<ul style="list-style-type: none"> - Image stabilization. - Enlarge the view: create a video with all background pieces visible at one point reconstructed in a single image. - ChromaKeying: create a video with the background colorized out. - OnionSkinning: show the few previous positions and few next positions of the athlete. - Superposition: extract the athlete's images from one video to merge them into the other video. - KinoRama : interactively create a chronophotography by adding or removing specific athlete's positions onto the background - Trajectory Highlight : create a picture containing all the athlete's positions in false color. - Fluidification : do some morphing to interpolate a new frame between two existing frames.
Export and Sharing	<ul style="list-style-type: none"> - Event view window : summary table of key images, trackings and chronometers for external spreadsheet processing. - Templates for PDF export.
Notational Analysis	<ul style="list-style-type: none"> - Keep track of small sequences within the whole video. - Configurable notation sheets to take notes. - Filling the notation sheet during capture.
Non video inputs	<ul style="list-style-type: none"> - Combine external data with visual information. (Pulse equipment, strength platform)
Other platforms	<ul style="list-style-type: none"> - Mono port for GNU/Linux users. - Portable version.

You can help

- Get involved in the quality assurance effort.
- Translate to your native language.
- Provide support to other users.
- Create tutorials related to your domain of expertise.
- Report bugs and suggestions.
- Hack your way into the code.