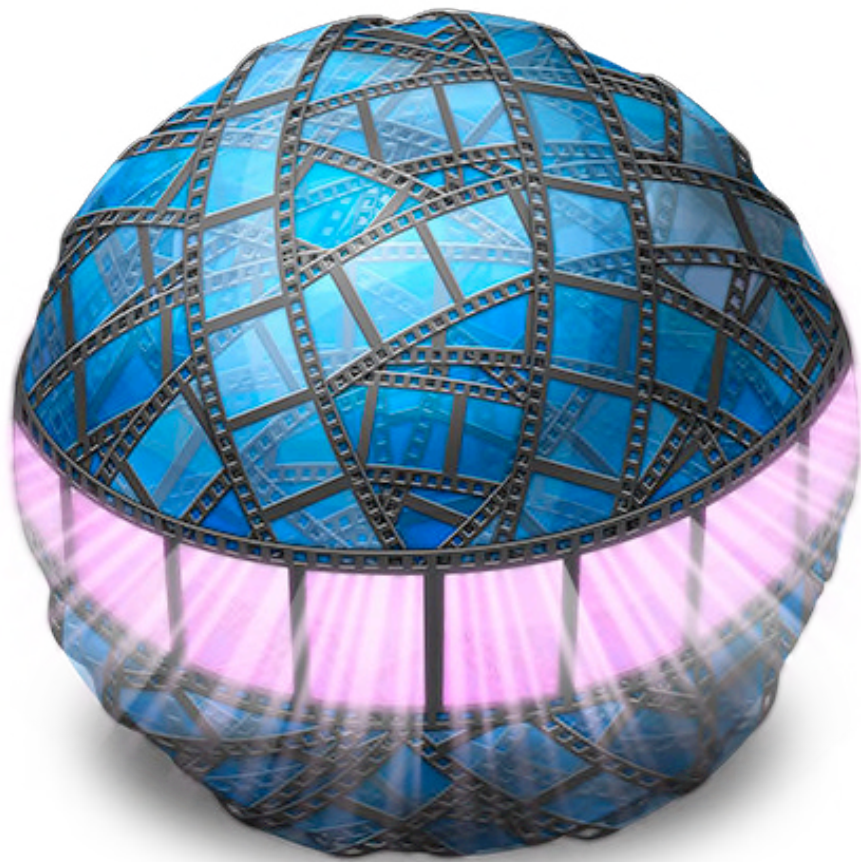




# Elasty HD 2.0 $\beta$

## **User Guide**

February 2010



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# 1. Welcome to Elastic HD

*If you like recording all kinds of events with your digital video camera, Elastic HD is definitely the Mac application you need! It will help you improve movies in many ways: stabilizing images, adding special effects, accelerating or slowing down sound and images... Let's start by explaining how to download and register Elastic HD on your Mac.*

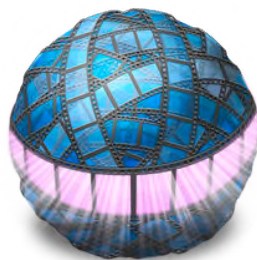
## What You Can Do

Here are a few real examples of what you can achieve thanks to Elastic HD:

- Stabilize a movie so that you can watch it in a more convenient way.
- Rotate a movie which was incorrectly recorded by mistake, and therefore enable you to watch it conveniently.
- Add a blur area on people's faces so that they can't be recognized.
- Distort your ex's head to make him/her look like an alien.
- Add your picture next to your favorite actor at Cannes Film Festival.
- Change the speed of some parts to emphasize the importance of what's happening.

## How to install Elastic HD?

Elastic HD is provided as a zip file that you can download from our website ([http://www.creaceed.com/download\\_store.html](http://www.creaceed.com/download_store.html)). Once downloaded, the file is automatically unzipped and saved in the "Downloads" folder. Drag and drop Elastic HD in the "Applications" folder.



*Requirements:*

Elastic HD requires any **Intel Mac** with **Mac OS 10.6.2 Snow Leopard**, and at least 64 MB of video RAM (128 MB recommended).

## How to register Elasty HD?

To fully enable the application, you need to register your own copy of Elasty HD:

- First, check you are connected to the Internet. Otherwise, you won't be able to register.
- Then, open Elasty HD, and choose Elasty HD > Register / Buy a License...The registration panel appears.
- There, enter your name and email address.
- Copy and paste the code you received by email in the field "License key or activation code". Pay attention, the activation code is case sensitive.

A screenshot of a macOS-style registration dialog box titled "Registration". The dialog has a light gray background and a title bar with standard window controls. Inside, the text "Enter your registration information here:" is followed by a smaller line: "If you don't have an activation code, you can buy one in our online store". There are three input fields: "Name:" with a placeholder "First and last name", "Email Address:" with a placeholder "name@mail.com", and "License Key or Activation Code:". At the bottom, there are three buttons: "Buy..." (disabled), "Cancel" (disabled), and "Activate" (active, highlighted in blue).

You are now ready to use Elasty HD!

## 2. Getting Started

*First, we list some examples showing how useful Elastic HD can be for you and your movie library. The second section gives you an overview of the application windows. Then, we explain in detail how to improve a movie using Elastic HD.*

### What can Elastic HD be used for?

Elastic HD will be your toolbox for improving movies in a few minutes. On the one hand, there are a few common image processing features which are less usual in movie processing (rotation, crop, mirror...), and on the other hand, there are several advanced features (motion tracking, special effects, slow motion...).

#### **Is your hand shaking when you record a movie?**

Elastic HD's Stabilization feature will help you reduce camera motion. As a result, your movie will be more convenient to watch.

#### **Did you record a movie in portrait mode when it should have been landscape?**

Elastic HD will help you fix this. Click once to rotate your movie 90° clockwise or counterclockwise, and click twice to rotate 180°.

#### **Do you want to select only a part of the movie image?**

The Crop feature is the tool you need. It enables you to get rid of some annoying or anesthetic objects on movie sides.

#### **Would you like to be creative, and add special effects to your movies?**

You can do this in 2 steps.

- First step: add a probe in the movie on the object, person... on which you want to add an effect. Next, launch Elastic HD's probe motion tracking to make it analyze the movie from start to finish.
- Second step: choose the effect in the library, link it to the probe you created in the 1st step, and change the effect settings.

Remark: You can link several effects to a single probe, and a single effect to several probes.

#### **Do you want to accelerate or slow down at a particular moment?**

You should add keys in the speed editor; and then set the change type and strength for each key.

#### **Are you interested only in a small part of the movie?**






In the output option window, you set the output movie parameters. For instance, you can choose to render a partial movie, and type at which second of the input movie it should start and end.

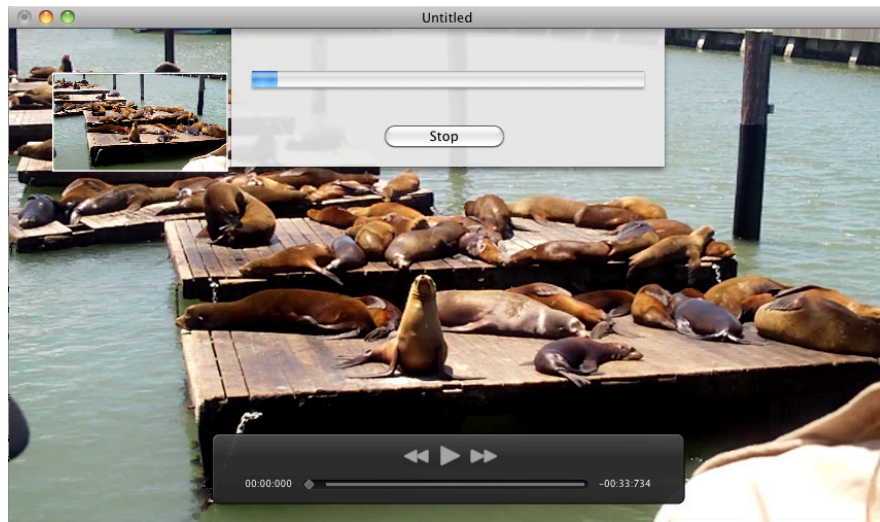
## Application Overview

### Movie Window

The Movie Window will be your working environment for previewing the changes you make in the Inspector (stabilization, probe motion tracking, special effects, retiming...).

The buttons at the bottom of the Movie Window allow you to:

- play movie 
- stop movie 
- go fast backwards in movie 
- go fast forwards in movie 
- move to a particular frame in the movie with the slider .



Depending on the mode selected in the Inspector, you can perform additional actions in the Movie Window:


- Focus Mode: crop the movie by moving the white dot in the middle of each side.
- Track Mode: add a probe on something in the movie (an object, a person...), and move the probe if necessary.
- Effects Mode: enlarge, reduce or rotate the area where the effect will be visible.


## Inspector

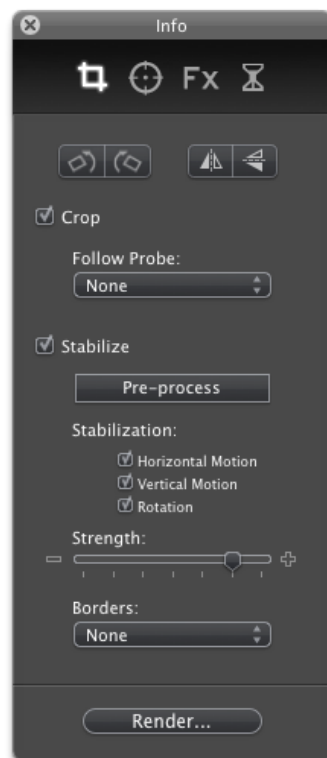
The Inspector is where you control most settings and features. For instance:

- activate some functions (e.g. stabilization and retiming)
- start probe motion tracking in the movie
- delete a probe
- change effect presets
- render the output movie...

The Inspector is divided into 4 separate modes: Focus, Track, Effects and Retiming.

You can switch to another mode by clicking following icons  on the top of the Inspector.

The Inspector is visible by default. After closing it, you can bring it back by clicking , or by choosing Tools > Show Inspector.



## Effects Library

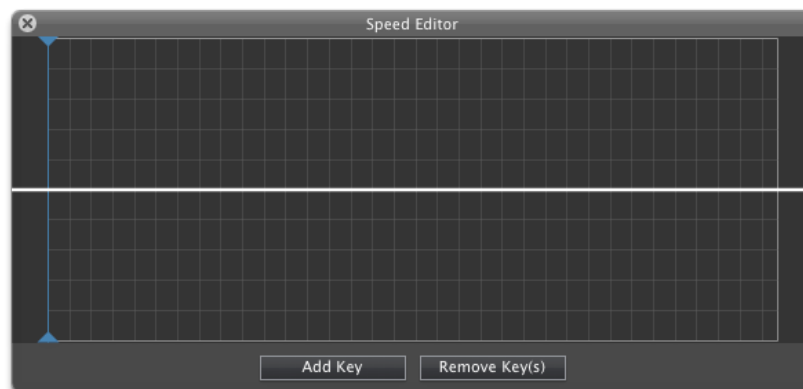
When showing the Inspector's Effect Mode, an additional window opens: the Effects Library. It's the place where you choose which effect(s) you want to add to your movie.



## Speed Editor

You access this pane from the Retiming Mode. There, you select

- for which movie part(s) you want retiming to be applied
- whether you want the speed to be slowed down or accelerated
- and how much you want it to be slowed down or accelerated.





## How to Create a Movie with Elasty HD?

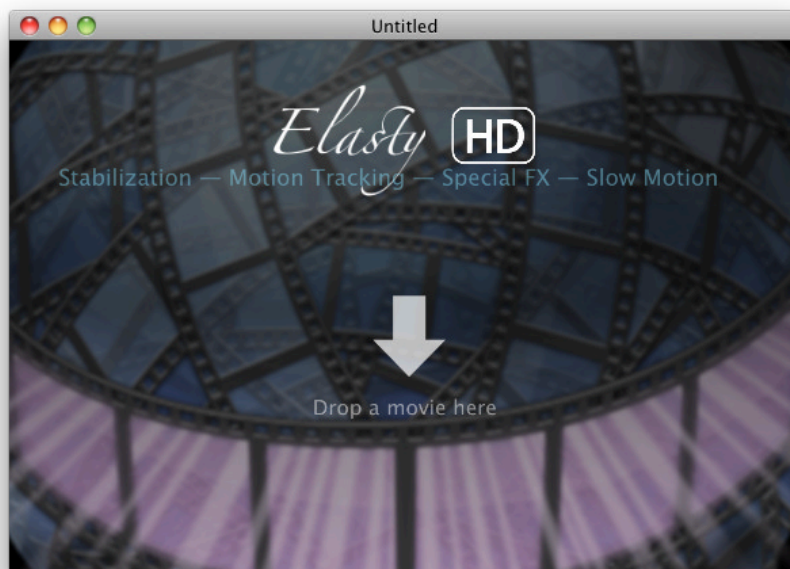
In this part, we'll explain step by step how to create a simple project in Elasty HD. Let's say you want to add the picture of a ball in a movie about sea lions.



## Import a Movie

1. Import a movie in Elasty HD as follows:

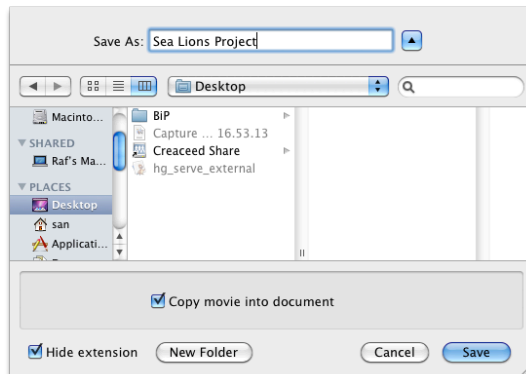
- either drag and drop it from the Finder or Desktop to the welcome window.



- or drag and drop it from the Finder or Desktop to Elasty HD's icon in the Dock.


## Save your Elasty HD Project

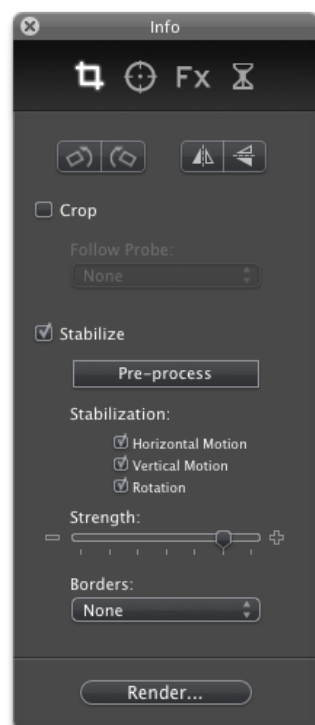
2. Choose File > Save As...
3. Type the project name, and choose its location on your Mac.
4. Click “Save”.



Remark: We advise you to save your project just after importing the input movie, and to regularly save your changes afterwards.

## Stabilize and Crop the Movie

5. Show the Inspector's Focus Mode either by clicking , or by choosing Tools > Focus Mode.
6. Check the “Stabilize” box, and then click the “Pre-process” button. You'll see a progress bar in the movie window. The stabilization analysis can last a few minutes depending on the movie duration.



7. Play the movie to see what it looks like after stabilization. There are some black areas around the movie. These areas come from the stabilization process.

Black area due to the  
movie stabilization  
process



8. Make these black areas disappear by cropping the output movie area. Check the "Crop" box in the inspector. 4 white dots appear on the movie sides.






9. Click and move every white dot.

Move the white dots to crop the visible area in the output movie.

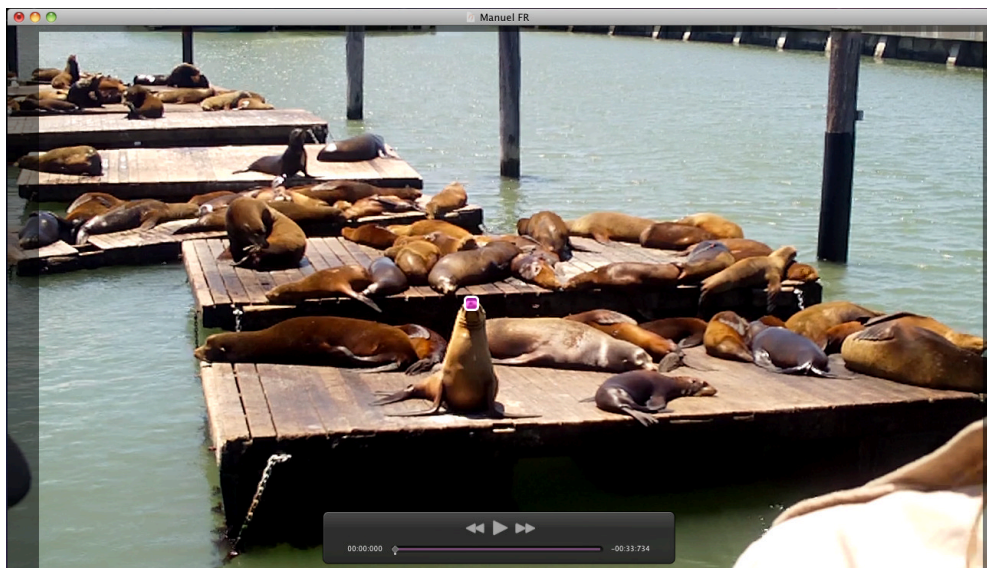


10. Play the movie to check that there's no black area left after cropping it. If there are still some black areas, move the white dots again until you are satisfied.

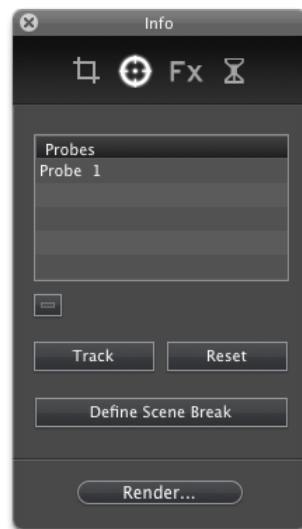
## Add a Probe

11. Show the Inspector's Track Mode either by clicking , or by choosing Tools > Track Mode.

12. In the movie window, double-click the object, person,... on which you want to add a probe. The probe is shown as a colored square (you can change the color in the preferences window).



13. Click the “Track” button in the inspector to launch the probe tracking analysis of the movie.




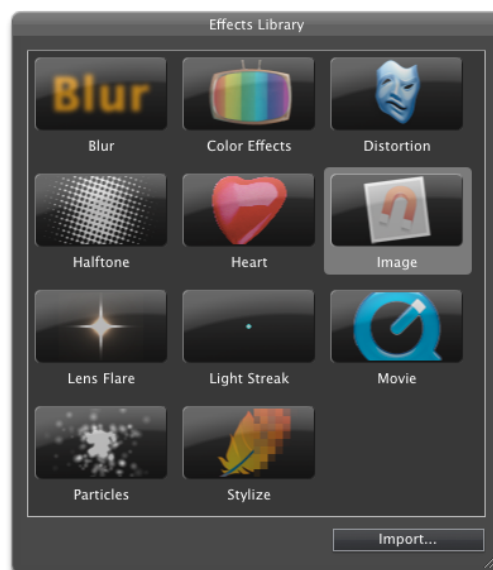
14. You can see the probe tracking progress in the control panel of the movie window. The pink line shows which part of the movie still has to be analyzed.



15. Play the movie to check how accurate probe tracking is.

## Add an Effect

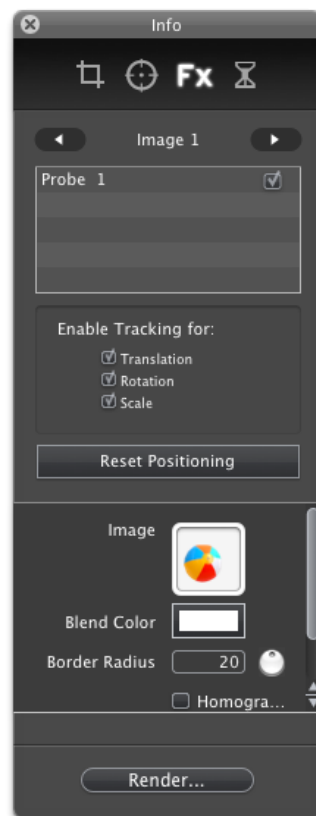
16. Show the Inspector's Effect Mode either by clicking , or by choosing Tools > Effect Mode.
17. Double-click the effect you want to add to the movie. In this example, we choose the Image Effect.



18.The effect appears in the movie window.



19.Drag and drop the ball image to the Image field in the inspector.



20.In the movie window, click the button in the middle of the square, and move the image to the desired spot.

21.Click one of the 4 square corners, and move the mouse to enlarge/reduce the effect, or to rotate it.

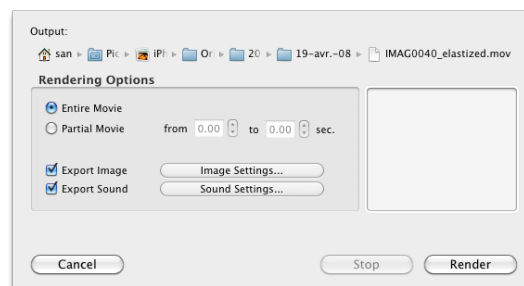


22. Play the movie from start to finish to check the effect fits well.

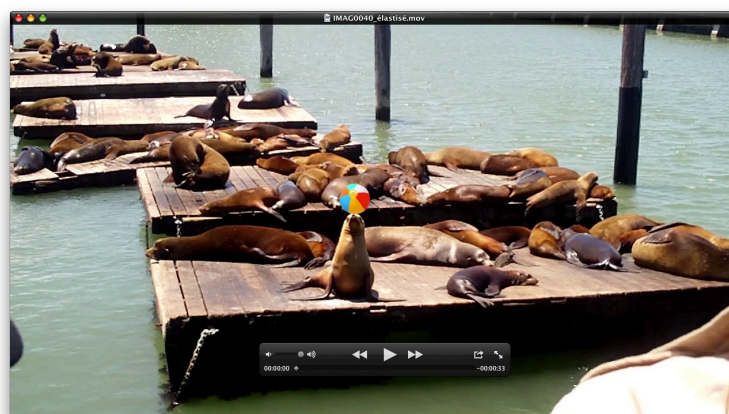
23. When satisfied with the result, click “Render...”.

## Save the Output Movie

24. Click the path mentioned below “Output”, and choose the name and location of the output movie. Elastic HD adds “elastised” at the end of the input movie name by default, and saves the output movie in the same folder as the input movie.



25. Click “Render”. You can see the output movie being rendered in the progress bar and in the movie window.

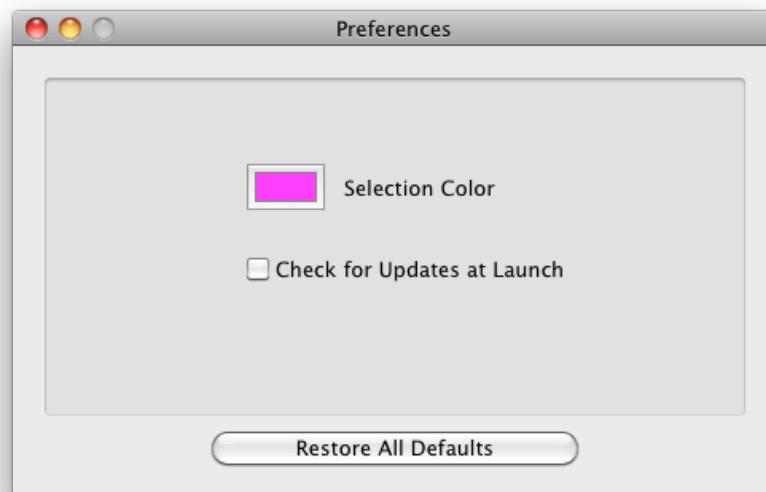


Congratulations! You’ve just rendered your first improved movie using Elastic HD.

## 3. Preferences

*You can change a few options that are global to Elastic HD in the Preferences window.*

You access the Preferences window by choosing Elastic HD > Preferences, or alternatively with the ⌘-comma (,) key combination. You can always revert changes to their factory defaults by clicking the “Restore All Defaults” button.



### Probe and Effect Color

You can easily change the selection color so that you will better see probes and effects on the movie you imported into Elastic HD. Blue, yellow, green,... you can choose any color you want.

### Check for Updates at Launch

If this box is checked, every time you open Elastic HD, the application will automatically look for updates on Creaceed's server. To make sure you are always using the latest version of Elastic HD, we advise you to check the box.



## 4. Keyboard Shortcuts

Action	Shortcut
New Elasty HD Project	Command + N
Open Movie	Command + O
Save Project	Command + S
Save Project as...	⇧ + Command + S
Close Project	Command + W
Show Inspector	Command + I
Show Focus Mode	Command + 1
Show Track Mode	Command + 2
Show Effect Mode	Command + 3
Show Retiming Mode	Command + 4
Track all Probes	Command + T
Create a Keyframe	Command + ↶
Go to Previous Frame	←
Go to Next Frame	→
Go to Previous Keyframe	Command + ↶
Go to Next Keyframe	Command + ↷
Add a Scene Break	Command + K
Delete a probe or an effect	Backspace ⌫ or Delete ⌫
Render output movie	Command + R
Show Preferences Window	Command + ,



[www.creaceed.com](http://www.creaceed.com)

Creaceed, a Belgian company with a passionate team experienced in signal and image processing, provides intuitive and easy to use creative applications to Mac professionals and consumers: Hydra (HDR imaging), Elasty HD (editing QuickTime movies), Morph Age (morphing images/movies), and Prizmo (scanning with a digital camera and OCR in 10 languages). Creaceed also provides Vocalia, a speech recognition application in 6 languages, to iPhone users.

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