

Videoschnitt mit Kdenlive



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Videoschnitt, was geht?

Typische Arbeiten ...

- Anfang und Ende beschneiden
- Titel und Logo einblenden

- Pausen entfernen
- Kleine Aufnahmefehler reparieren
- Effekte: Ein- / Aus- / Überblenden



Videoschnitt, was geht? (2)

Fortgeschrittene Arbeiten

- Auf Musik schneiden, MTV-style
- Komposition mehrerer Bild-Ebenen

- Aus mehreren Wiederholungen schneiden
- Straffen und auffüllen
- Einstellungen zu Szenen zusammensetzen

- Animierte Titel und Logos
- “Verrückte” Effekte ...



Videoschnitt, was geht? (3)

... Spass für Software-Entwickler

- Ja, es stürzt ab - hin und wieder
 - Kdenlive speichert in XML, wirklich robust
- Features - es ist noch nicht fertig
 - Kdenlive ist schon wieder ein Version weiter...
- Fehler - reproduzieren, melden, selber fixen
 - Kdenlive hat viele leicht erkennenbare Bugs



Warum gerade Kdenlive?

- Capture (aka Eingabe)
 - dvgrab, bttvgrab, recordmydesktop, krecord, ...
- Editing (aka Verarbeitung)
 - kino, broadcast2000, cinelerra, lumiera, jashaka, cinefx, LiVES, kdenlive ...
- Postprocessing (aka Ausgabe)
 - mplayer/mencoder, dvdauthor, devede, k3b, ...



Warum gerade Kdenlive? (2)

Das sagen die Webseiten:

kinodv.org *“Easy and reliable DV editing for the Linux desktop”*



Warum gerade Kdenlive? (2)

Das sagen die Webseiten:

kinodv.org *“Easy and reliable DV editing for the Linux desktop”*

Broadcast2000 *“<?php default_page("It's not here anymore. Use <A HREF=\"cinelerra ...”*

cinelerra.org *“Cinelerra is the most advanced non-linear video editor and compositor for Linux.”*

Lumiera *“was born as a rewrite of the Cinelerra codebase. It is not usable yet.”*



Warum gerade Kdenlive? (3)

Das sagen die Webseiten ...:

jahshaka *“The worlds first OpenSource Realtime Editing and Effects System.”*



Warum gerade Kdenlive? (3)

Das sagen die Webseiten ...:

jahshaka *“The worlds first OpenSource Realtime Editing and Effects System.”* 302 moved → cinefx

Cinefx *”Jahshaka Reinvented, Cineplay Core and is using Jahplayer as its foundation moving ahead. OpenLibraries Reinvented, JPlayer is now CinePlay!”*



Warum gerade Kdenlive? (4)

Das sagen die Webseiten (last but not least) :

LiVES.sf.net *“It is designed to be simple to use, yet powerful. It is small in size, yet it has many advanced features. ... Is a Free, Open Source video editor *and* a VJ tool.”*

Kdenlive.org *“...is extremely easy to use. ... used by video amateurs as well as advanced users. Usability ... Kdenlive is the most versatile video editor available today ...”*



Die Anatomie von Kdenlive

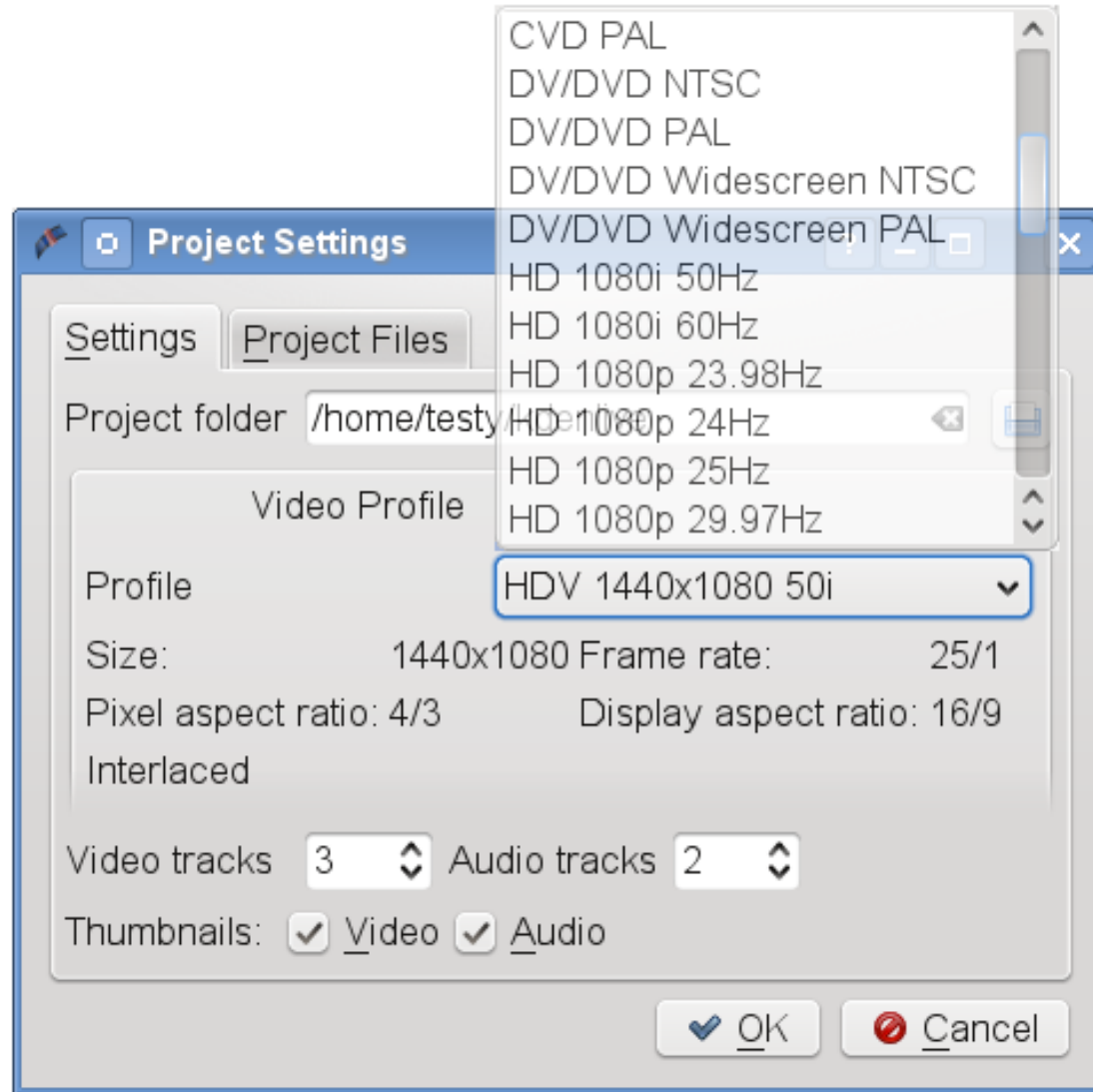
Paketname: `kde4-kdenlive-0.7.6`

Repository: `Packman:main/openSUSE_11.2_Update`

Dependencies: `ffmpeg, mlt, ...`

Die Anatomie von Kdenlive (2)

Start





Project Tree

Thumbnail	Filename
	pict0002.avi 1 min. 37 sec. (2)
	pict0001.avi 10 sec. (1)
	out-7-1440x1040.ogv 43 sec. (1)

Project Tree | Effect Stack | Transition

Effect List

All

- Gain
- Gamma
- Grain
- Greyscale
- Invert
- Limiter
- Mirror
- Mono to stereo
- Mute
- Normalise
- Obscure
- Oldfilm
- Pan and Zoom**
- Phaser

Adjust size and position of clip
Author: Charles Yates

Project Monitor

00:00:15:22

Timeline

00:00:10:00 00:00:20:00 00:00:30:00 00:00:40:00 00:00:50:00

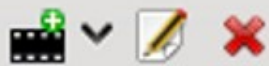
0 pict0002.avi Dissolve Pan and zoom ssol

1 pict0001.avi Composite

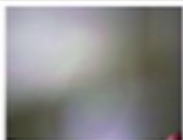
2 out-7-1440x1040.ogv

3

Project Tree



Thumbnail : Filename



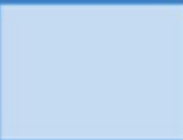
pict0002.avi

1 min. 37 sec. (2)



pict0001.avi

10 sec. (1)

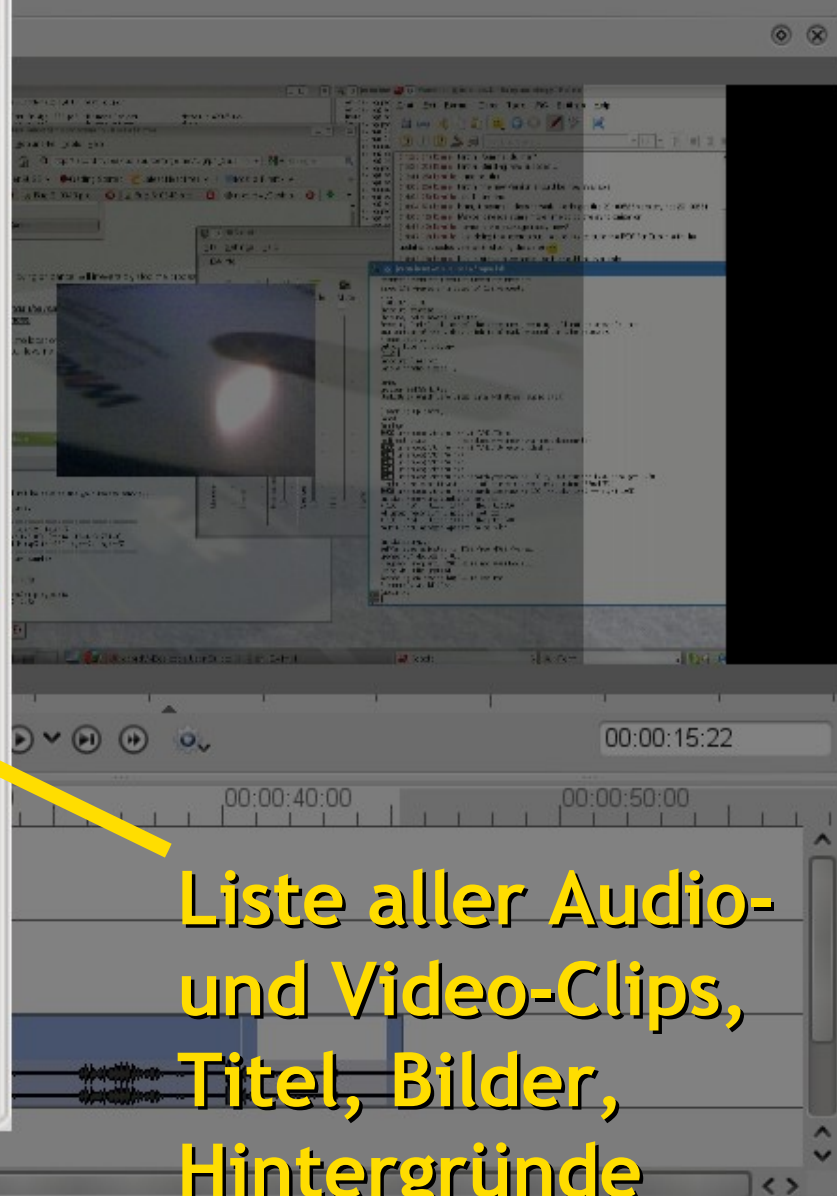


out-7-1440x1040.ogv

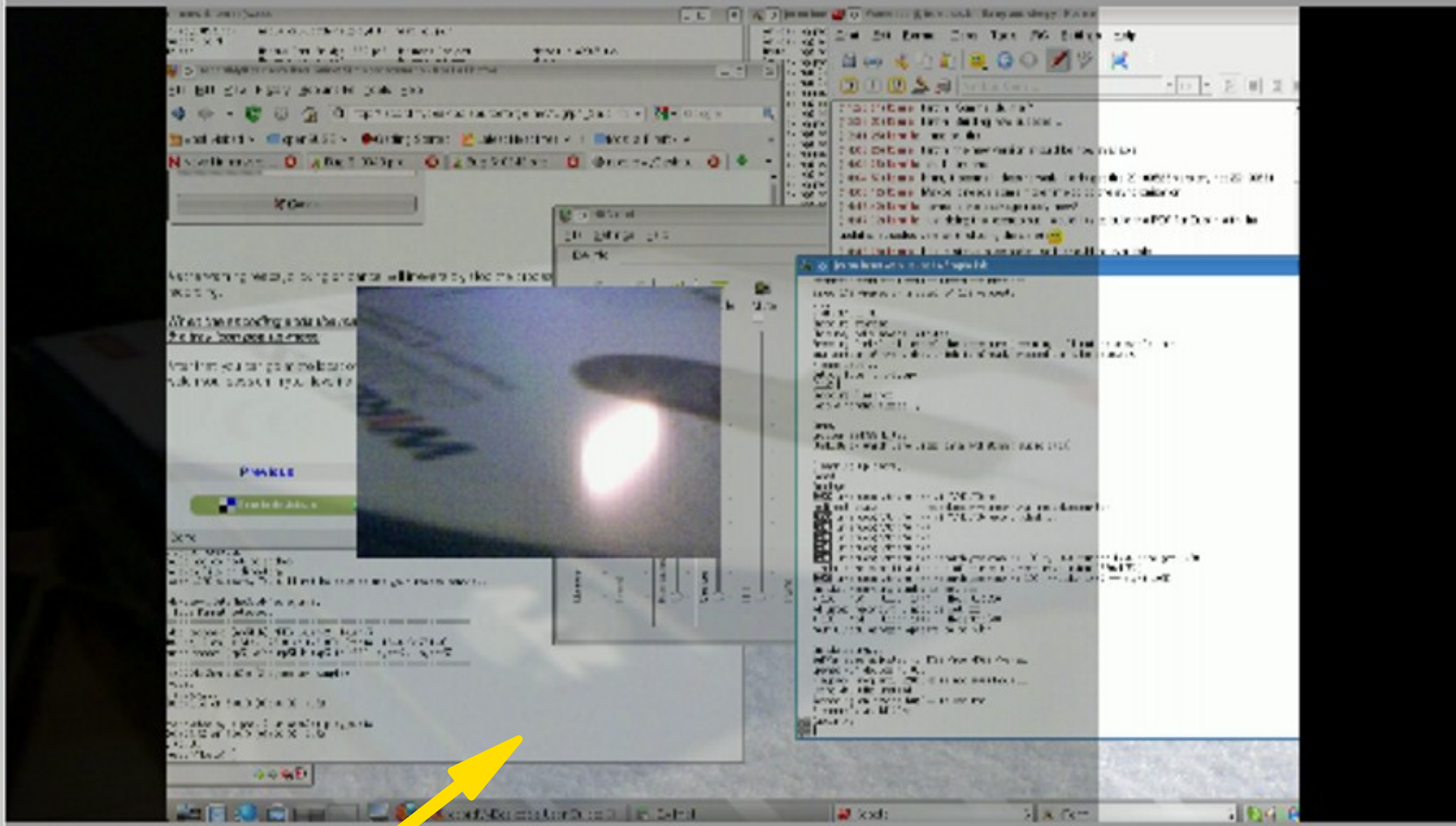
43 sec. (1)



Liste aller Audio- und Video-Clips, Titel, Bilder, Hintergründe



Project Monitor



00:00:15:22

⏪ ⏩ ⏴ ⏵ ⏸ ⚙

Vorschau-Monitor, VideoPlayer



Video- und Ton-Spuren (Timeline)



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Project Monitor

00:00:10:00 00:00:20:00 00:00:30:00

0

1

2

3



New Open Save Undo Redo Copy Paste Render

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Project Tree Effect Stack Transition

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0 pict0002.avi Dissolve Pan and zoom pict0002.avi ssol

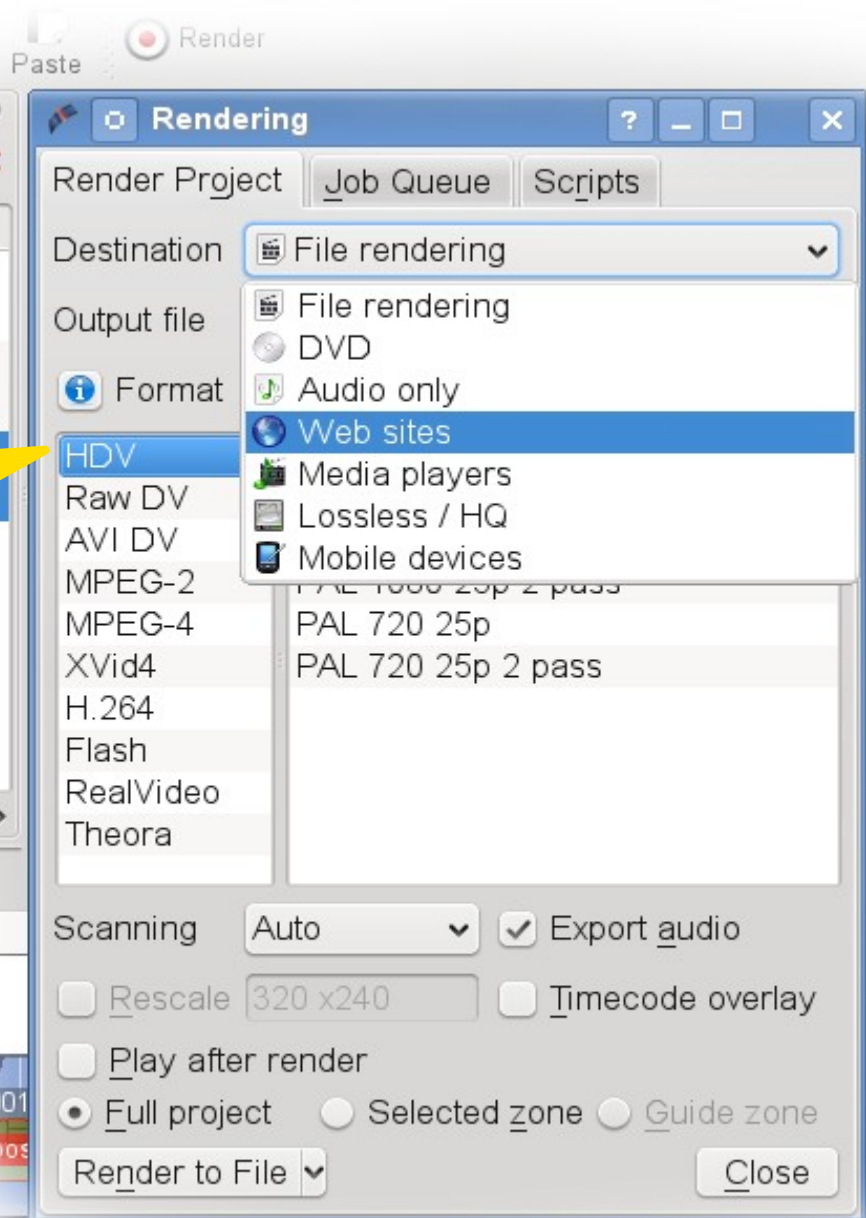
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3

Anatomie von Kdenlive ...

Ausgabeformat
(Rendering)



Vorführung
(inkl. Systemabsturz?)



Ein Beispielprojekt

“Der Weg zur HackWeek”

- Videos und Material sichten
 - Google Maps, Hackweek Webseite
 - Bilderserie Anfahrt
 - Filmsequenz Treppensteigen, Plakat
 - Musik dazu
- Ausschnitte wählen
- Titel schreiben
- Logo einblenden



Liste der entdeckten Bugs

- Leerraum am Filmanfang → AV-Sync Fehler
- Exportiertes MPG ruckelt nach 10min → einmalig?
- Composite Effekt skaliert seltsam
- Vignette Effekt schwer einstellbar
- ...

Viel Spass!

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