



KIMBA 2 Requirements

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Version: 1.0

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1 OS

Application for Windows XP and Windows Vista with Installer.

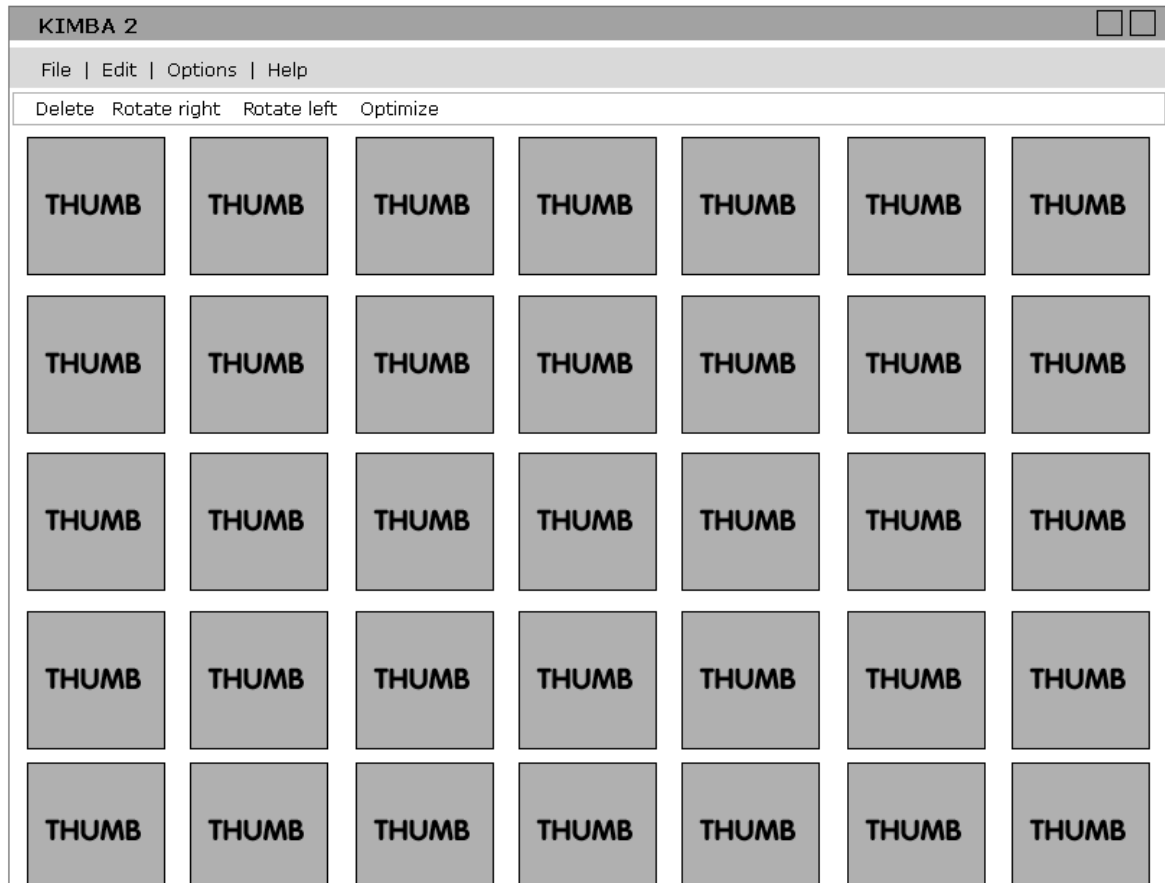
2 Summary

Application to convert and optimize Digicam pictures for presentation on a community website. Preview of pictures in a folder as thumbnails, multiple pictures can be selected, deleted, rotated and optimized (e.g. brightness, sharpness). Conversion and compression of pictures in a batch process: small version, big version, thumbnail. In the big version of the pictures the community logo is placed at the right top (watermark). All pictures in the folder will then be compressed in a zip-file for uploading to community's webserver. The Application is called *Kimba Version 2.0*.

The application is for a german audience. Offer a language file for different languages. English language has to be provided.

3 Features

3.1 *Main Window and Menus*



Main window (schema)

Menuitems and toolbar

Thumbnails from folder shown

Thumbnails selectable (single or many), kontekst menu (right click)

Doubleclick on a thumb: open optimize window

3.1.1 **Right Click on picture or selected pictures (Contextmenu)**

Show Edit-menu

3.1.2 **File**

3.1.2.1 **Folder**

Open Folder (Explorer-Tree) to select working-directory with pictures from Digicam. If a folder is selected, then show all pictures in that folder as thumbnails in main window.

3.1.2.2 **Create Gallery**

Starts a batch process to convert and archive all pictures in current folder into a ZIP-file. A target file has to be selected (default: CURRENT_DIRECTORY/kimba.zip)
The following steps have to be done by the batch process:



- It has to be checked, that a cover-pic is selected. This cover picture is then converted and stored separately as index.jpg
 - All files have to be compressed and optimized for use in web (max Filesize for big pictures: 100 kb).
- Optional checkbox: Auto-optimize all pictures => Menü Edit?
- All Files have to be converted to 2 different sizes. See Dimensions below.
 - Then all files are archived into the ZIP file according to the structure described below.
 - Logo (external png-file in program directory) is added to big-version of the pictures located right top.
 - The filenames of the pictures in the Archive have to be websafe and lowercase.
- Proposal: [incremental_no].jpg

Dimensions:

- Cover-Picture: 130 x 120 px
- Thumb: 170 x 127,5 px (4:3)
- Big: 640 x ? px (4:3, e.g. 640 x 480 px – depends on horizontal or vertical format of picture)
+ Add Logo

Destination of converted pictures in ZIP File

- Cover: index.jpg
- Thumbs: ./small/
- Big: ./big/

3.1.2.3 Exit

Close application

3.1.3 Edit

3.1.3.1 Delete

Deletes selected pictures (single or many).

3.1.3.2 Rotate left

Rotates selected pictures 90° left

3.1.3.3 Rotate right

Rotates selected pictures 90° right

3.1.3.4 Flip horizontal

Rotates selected pictures 180° (flip)

3.1.3.5 Optimize

Opens optimize window:

- Show Picture (big, suitable to window) with filename
- Show EXIF-Data (if available)
- Rotate left/right, flip buttons



- Auto-optimize: enhance colors, sharpen, brightness/contrast (IMPORTANT!)
- Slider: sharpness
- Slider: brightness
- Slider: contrast
- Red-Eye-Reduction: Select area in picture and optimize
- Apply/Cancel

If more than one picture selected show first of selection and offer button "Apply to all (x Pictures)"

3.1.3.6 Select as cover (checked/unchecked)

Selects current picture as cover picture for gallery. Picture is visually marked with a border. Can be unselected as coverpic.

3.1.3.7 Order by random

All Pictures are reordered randomly

3.1.4 Options

Opens options window:

- Language: English/German
- Thumbnail-size: width x height px
- Bigpic-size: width x height px
- Coverpic-size: width x height px
- Path KWICK!-Logo: <path>
- Apply/Cancel

3.1.5 Help

Open HTML-Dokument at our webserver (e.g. <http://intra.kwick.de/kimba.html>)