QuickImageCM 2.4

What is QuickImageCM ?

QuickImageCM is a contextual menu plugin for Mac OS X. It let you view image files without launching any application. It also has many other features like triming, scaling, filtering (effects), printing, adding/removing thumbnail icons, converting images to different format, etc..

Features

• It can display graphic image easily without launchin applications.
• View mode also has many additional features including basic photo retouching functions (scaling, zooming, triming, rotation, flip, filtering with 17 filters, etc..)

• It can print image to printer
• It can add/remove thumbnail icons to/from multiple image files.
• It can convert multiple image files into other image format (JPEG, TIFF, PNG, PICT...) with one operation
• It can batch rename multiple image files easily and quickly
• It can create <img> HTML tag from image files and copy to clipboard as text
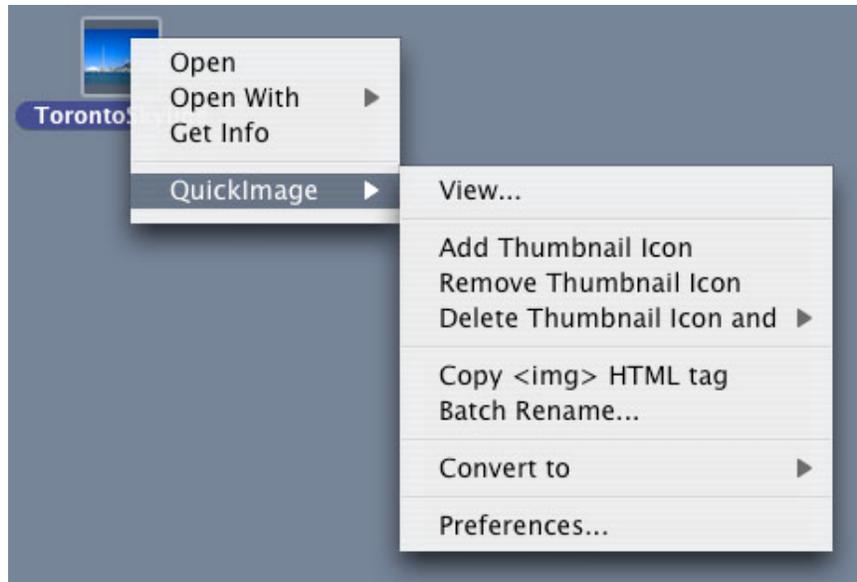
Installation

For your convenicence, simple AppleScript to install the QuickImageCM is enclosed. Just run the 'InstallQuickImageCM' script to install and follow the direction on the screen.

You can manually install the QuickImageCM by copying 'QuickImageCM.plugin' package to either '/Library/Contextual Menu Items' folder or '~/Library/Contextual Menu Items' folder. If you don't have '~/Library/Contextual Menu Items' folder, simply create a new folder and copy it there. In this case, you need to either restart computer, or logout and login again, or restart the Finder to use the QuickImageCM.

How to use?

Choose graphic image file(s) at the Finder and Control+Click the mouse to bring up the contextual menu. You will see 'QuickImage' contextual menu item. When you move the mouse to this 'QuickImage' menu, it shows submenus as you can see the picture below. Then select the feature you want to use from the submenu.

How to use (1) Viewing images

When you select 'View...' submenu item, a window (see below) appears on the screen and displays the first image. The title bar of the window shows the image file name, image data size, and the current number and total number of images.

Below the window title, there is a toolbar with eleven buttons. By pressing a button or selecting a function from button menu, you can invoke additional function. You can invoke most of the functions using keyboard too. Keyboard operation is explained later in this document.
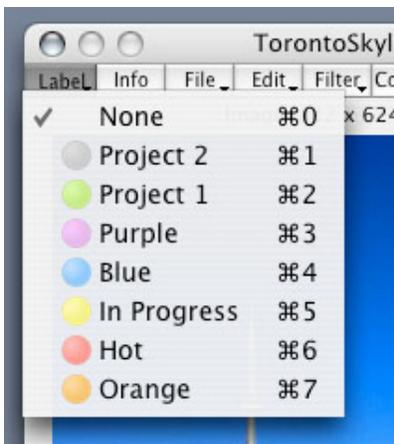
Below toolbar is the basic information of the image, which are the current image size and current view size (in pixel) and current zoom ratio. In addition, if the current drawing mode is QuickDraw, you will see '*' at the right of the size.

Toolbar functions

---- Label menu ----

Add/remove label color to the current image file. Since the label button itself has the label color on it, you can easily see the label color of the current image file. Using keyboard shortcut (0 thru 7) would make it much easier to add/remove label and categorize files for later organizing.

Info
Opens a small sheet window (see below) and display more detail image information. You can close info window by clicking the window or press any key from the keyboard.

TorontoSkyline – 86.5 KB (1/1)

Codec Type:	Photo – JPEG
Dimension:	832 x 624 pixels
Resolution:	72 dpi
Bit Depth:	24 bits
Num Images:	1
File Size:	140.5 KB
– Data Fork:	86.5 KB
– Rsrc Fork:	54 KB
Type/Creator:	JPEG / apcp
Date Created:	Wed, Aug 19, 1998 9:00 PM
Date Modified:	Sat, Dec 18, 2004 5:31 PM

---- File menu ----

Revert (Reload Image)
Reloads the current image from file. It you screw up editing current image and can not go back with undo command, this command reload the image and let you start editing again.

Save As…
Saves image data as a file with the format you choose. When you click this button, file save dialog appears on the screen and let you select output file name, location, file format, and other options.

Rename…
Rename the current image file to a new name. It supports long file name.

Move To Trash
Moves this image data file to Trash. This would be handy when you are trying to pick up only good pictures from number of pictures. It does not delete file but move the file to the Trash.

Remove From List
Remove the current image from the list. This may be useful when you select the best picture from many pictures.

Add Thumbnail Icon
Adds thumbnail icon to the current image file

Delete Thumbnail Icon
Deletes thumbnail icon from the current image file

Page Setup…
Opens standard Page Setup dialog.

Print…
Opens standard Print dialog and let you print the current image to the selected printer. If the image is bigger than paper size (in 72dpi) it will be scaled to fit the paper size.

Preferences…
Opens the Preferences dialog (same as selecting Preferences contextual sub menu)

---- Edit menu ----

Undo

Undo/Redo the last operation of scaling, triming, filtering images. Currently there's only one undo/redo is supported. If you want to go back more than one operation, use Revert function and start it over. Undo and Redo are automatically switched back and forth although the menu display always say 'Undo'.

Copy
Copies the current image data to the Clipboard as picture data.

Flip (Horizontal/Vertical)
Flip image horizontally/vertically

Rotate (180/90CW/90CCW/Arbitrary…)
Rotate image. Currently only black or white color can be used for the background color for free (arbitrary) rotation.

Trim by Size…
Open a dialog and let you specify triming size by pixel. It would be helpful if you want to make the trimed image to an exact size, which is hard to do under triming mode. The operation is similar to PhotoShop's Canvas Size dialog but it only support trming (no expansion)

Scale by Size…
Enlarge/reduce the actual image size. It opens the Scale sheet dialog. When you enter either width or height, the other one will be automatically calculated and filled in so that it keeps the same aspect ratio as the original image. So you do not have to enter both width and height.

Scale by Ratio (12.5%/25%/50%/75%/150%/200%/250%/300%)
Let you enlarge/reduce image quickly using popular scale ratio. With this quick scaling function, you do not have to calculate the new size and specify it with scale by size dialog.

---- Filter menu ----

Currently, the following 16 image editing filters are available. I do not explain them here in this document since most of them are the popular filters and you might be familiar if you ever use PhotoShop or other image processing software. All the filter is developed from scratch and it does not use QuickTime effect. I guess some filters may need to be tuned in the future.
All the filter works on the entire image, or the selected area (if an area is selected under triming mode). If you use 'Red Eye Removal', select the red eye area under triming mode and apply the filter. Applying 'Red Eye Removel' filter without selecting area will turn all reddish area in the image into monotone.

Greyscale
Sepia
Invert
Red Eye Removal
Color Adjustment (RGB)
Color Adjustment (HSL)
Brightness & Contrast
Histogram Stretch
Blur
Blur More
Median (remove noise)
Sharpen
Sharpen More
Miminize
Maximize
Posterization
Interlace
Add Noise (uniform noise)
* There are some other filters which are assigned to Key 1 thru 4. Try and find them out! (^_^)

---- Constrain Menu ----

Just like iPhoto, you can select the Constrain setting for triming image from this menu. Available settings are:

No Constrain
4 x 3 (Book)
4 x 6 (Postcard)
5 x 7 (L, L2)
8 x 10 (Letter)
4 x 3 Portrait (Book)
4 x 6 Portrait (Postcard)
5 x 7 Portrait (L, L2)
8 x 10 Portrait (Letter)
Square

Trim
Trims the image by the selected triming area. This button is disabled until you select triming area under triming mode.

Fit
Zoom the image to fit the current window. If the image size is smaller than the current window, then it will not be enlarged but will be displayed in 100% (original size).

– (minus)
Zoom out the image view up to 12.5% of the original size
Zoom out goes 100% --> 87.5% --> 75% --> 50% --> 37.5% --> 25% --> 12.5% (min)

+ (plus)
Zoom in the image view size up to 800% of the original size
Zoom in goes 100% --> 150% --> 200% --> 250% ..... 750% --> 800% (max)

<
Go to previous image (if any). Clicking while holding down **shift-key** goes first image.

>
Go to next image (if any). Clicking while holding down **shift-key** goes to last image

Mouse Operation

Basically, when you click the image data by mouse, it goes to the next image. If there's no next, then finish the viewing operation (depends on Preference setting). QuickImageCM supports two button mouse and wheel mouse too. If you click the image with right mouse button, it goes back to the previous image. If there's no previous, then finish viewing operation (depends on Preference setting). If Shift-key is pressed at the same time, it goes to the first or the last image.
However, if the image is enlarged to the size bigger than window size, scroll bars apprears and clicking image does not switch images. In this case, the mouse cursor is changed to open hand cursor and you can scroll image by draging the image. Scrolling image can be done by using scrollbars or wheel mouse. Moving wheel scrolls image vertically, and it scrolls horizontally if Shift-key is pressed while moving the wheel. (depending on Preference) If you choose 'Use wheel mouse for zoom in/out instead of scrolling' preference option, then the wheel mouse zooms in/out image.
In addition, you can resize the window by draging the grow region (lower right corner of the window).
To finish the operation and return to the Finder, click on the close button on the Window's title bar.
In addition, mouse is used to select the triming area. Triming mode is explained later in this document.

Keyboard Operation

QuickImageCM supports keyboard operation which may be more convenient and easy than mouse operation. Although toolbar button menu shows keyboard shortcut with Command key, you can actually invoke them without pressing the Command key.

Arrow keys (cursor keys)

      Left arrow   go to previous image

      Right arrow   go to next image

      * If you press these keys while holding down **shift-key**, then it move to first/last image.

      * You can not finish viewing image by arrow key. To finish viewing, press Esc key
       (or click the last image by mouse)

      Up arrow   enlarge image (same as + key)

      Down arrow   reduce image (same as – key)

Return/Enter

      go to next image

Delete (Backspace)

      go to previous image

Esc

      Cancel the operation and go back to Finder (same as W key)

Space

      Toggles browsing mode (default) and triming mode. Triming mode is explained later in this document.

– (minus)

      Reduce the image view size up to 12.5% of the original size (= zoom out)

      Key repeat works for this key

      Reduction goes 100% --> 87.5% --> 75% --> 50% --> 37.5% --> 25% --> 12.5% (min)

+ (plus)

      Enlarge the image up to 800% of the original size (= zoom in)

      Key repeat works for this key

      Enlargement goes 100% --> 150% --> 200% --> 250% ..... 750% --> 800% (max)

0 thru 7

      Add/remove label color to the current image file. (0 removes the label color)

I

      Invoke 'Info' function (same as clicking 'Info' button), which opens the info window to show details of the image file. To close the info window, click on the window or press any key from the keyboard.

C

      Invoke 'Copy to clipboard' function (same as selecting 'Copy' from Edit toolbar menu)

Z

      Invoke 'Undo' or 'Redo' function (same as selecting 'Undo' from Edit toolbar menu)

      Only one 'undo' or 'redo' operation is supported.

A

      Invoke 'Add Thumbnail Icon' function. It adds thumbnail icon to the current image file.

D

      Invoke 'Delete Thumbnail Icon' function. It deletes thumbnail icon from the current image file.

S

      Invoke 'Save As' function. It opens the standard file save dialog and let you save the current image file with different file name and format (plus options specic with selected format)

N

      Invokde 'Rename' function. It open a small dialog and let you enter a new file name. Long file name is supported.

R

      Invoke 'Remove From List' fucntion. Remove the current image from the list.

T

      Move the currently viewing image file to the Trash. The file is not deleted but moved to Trash.

P

      Invoke 'Print' function. It opens standard Print dialog and let you print the current image.

K

      Invoke 'Scale' function. It opens the scale parameter dialog.

F

      Invoke 'Fit' function. If the image is bigger than current window size, it's scaled to fit the window. Otherwise, it shows the image in the original size (100%).

Q

      Toggles image drawing method between Quartz2D (default) and QuickDraw.
      Difference of these methods are explained later in this document.

W

      Cancel the operation and go back to Finder (same as ESC key)

Notes, Remarks (Important)

Information displayed

The image data size at the window title is not a file size but a image data size. If the file has resource fork, the size displayed there may be different from the file size. When you use images for web site, usually, resource fork will be dropped or simple not to be used at all. Therefore,size at the window title omits the resource fork size and just show the data size only. Use 'Info' function to see the actual image file size including resource fork. The image size displayed under the toolbar may not be the original image size. When you enlarge/reduce or trim the image, the image size displayed will be updated by the new size after such operation. You can always see the original image size when you open the Info window.

Unsupported file type error

To minimize the delay of displaying contextual menu, **QuickImageCM does not check the file format in advance**. It only check whether the selected item is a normal file or folder/alias, and also minimum file type check to exclude obvious non-image files (e.g: text file, clipping file, etc). QuickImageCM does not handle folder, alias (both alias to a folder and alias to a file). So if you select folder or alias, you will not see QuickImageCM's contextual menu. However, when multiple items are selected and if there's at least one graphic image among the selection, QuickImageCM shows the contextual menu and let you view the file. In this case, QuickImage does the following steps.

  1. If current item is folder or alias, then skip without showing any error (actually remove it from item list)

  2. If current item is regular file, then try to view as a graphic image (even for text files)

  3. If QuickTime Graphics Importer (core engine of displaying image) can not handle the file (i.e. text files), then it will skip the file without any warning or error message. Then the file is removed from the current list of items. So you may notice that the total number of items displayed in the window title decreases when QuickImageCM detect such unsupported file and skipped.

Long file name support

QuickImageCM 2.1b2 has added support for long file name. However, Save As function is the only exception for this and it still does not support long file name. Why?... Save As function uses QuickTime API to display the file save dialog. So basically it's handled by QuickTime, not QuickImageCM, and QuickTime API for export file using

dialog does not support long file name yet. That's the reason of this exception and QuickImageCM has no control on this currently. I will think about the way around this issue in the future version if QuickTime API will not be updated to support long file name soon.

Zoom In/Out

Zoom In/Out image does not change the image size but change the view size. It can be used either from keyboard (up/down arrow key or plus/minus key) or by pressing toolbar button (+ and -). In addition, if you set the preference option, zoom in/out can be done using wheel mouse too. When image gets bigger than current window size, scroll bar is displayed and let you scroll the image. Scrolling image is done by operating scroll bar, using wheel mouse or draging on the image. When either horizontal or verrtial scroll bar is on the window, you can not move to the next/previous image by the mouse click on the image.

QuickDraw vs Quartz2D with Interpolation

MacOS X supports two 2D graphic engines, QuickDraw and Quartz2D. When image is displayed in enlarged/ reduced sizes, these two engines shows noticable differences. As you see the picture below, Quartz2D (with interpolation enabled) use pixel-smoothing technology and this makes enlarged drawing more smooth and nice . In addition, some image types (like transparent TIFF, which are used system wide for application's GUI parts) shows clear difference as you can see in the picture below.

QuickImageCM 1.1 or later uses Quartz2D as the default image drawing (no special reason). However, you can switch to QuickDraw drawing method (and go back and forth) by pressing 'Q' key from keyboard. So if you want to see each pixel of enlarged image clearly, press 'Q' key and switch to QuickDraw drawing method. When QuickDraw is the current drawing mode, you will see '*' mark at the most right of the toolbar.

This drawing method setting is stored into QuickImageCM's preference file so that the last setting will be used next time QuickImageCM contextual menu is invoked. **Generally speaking QuickDraw is faster than Quartz2D for drawing image. So if you are using slow computer, I recommend that you use QuickDraw as a default drawing engine.**
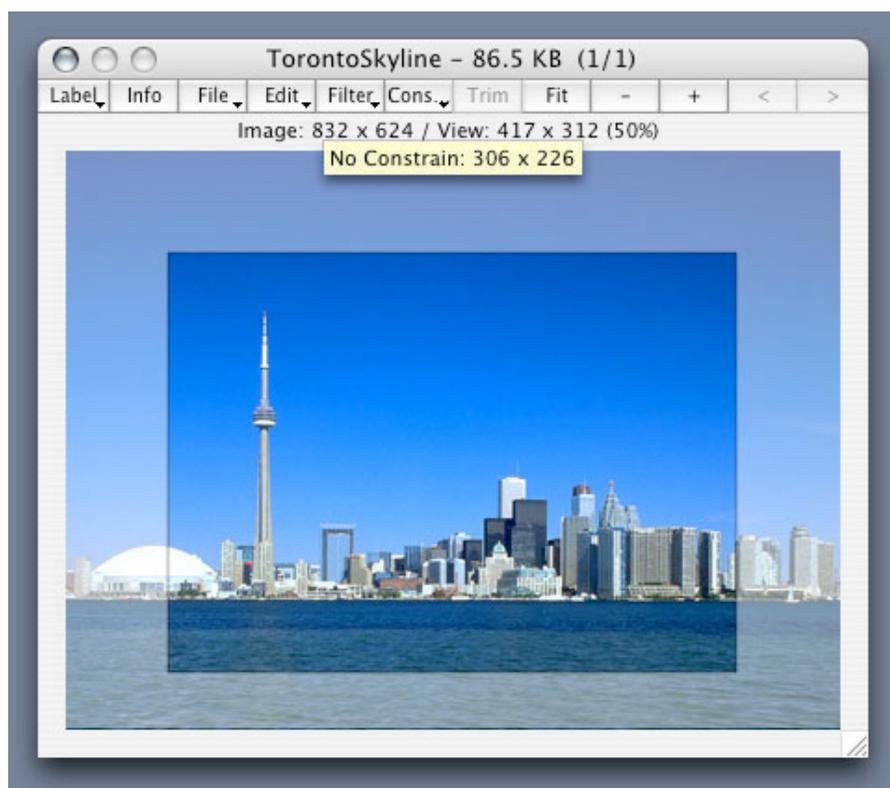

How to use (2) Trmining images

QuickImageCM 2.1 introduced triming function. You can trim image and save it as a file (using Save As function) or copy to the clipboard (using Copy function) or paste as a thumbnail icon (using Add Thumbnail Icon function) or adding filter effect only to the selected area.

To use the triming feature you need to switch from the normal browse mode to the triming mode by pressing the Space Bar. When the mode is switched to triming mode, the mouse cursor is changed to a cross cursor (only when the cursor is over the image).
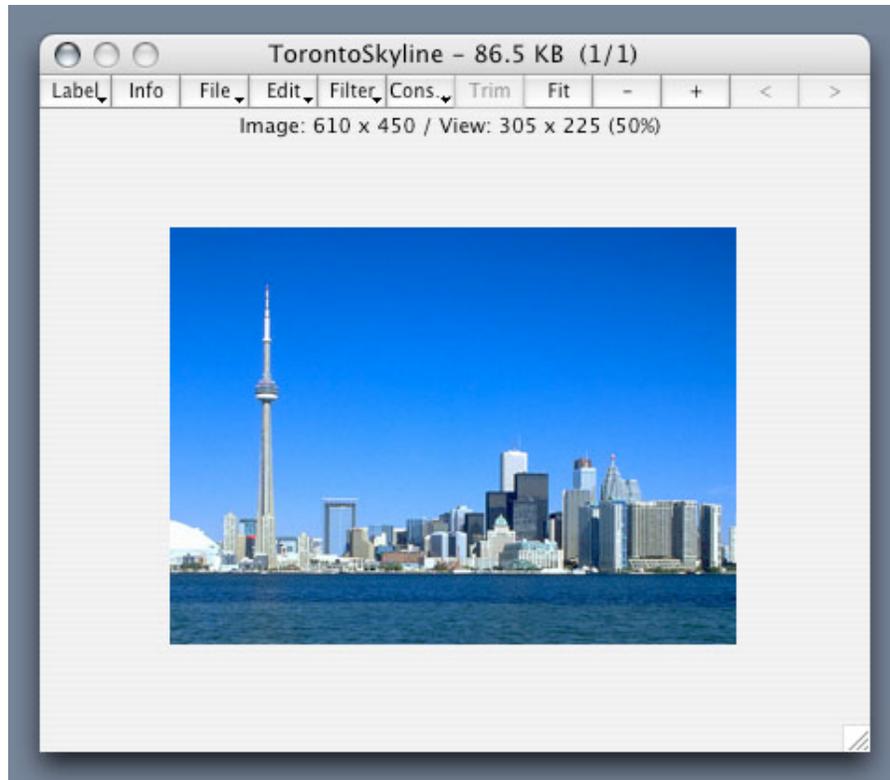
Selecting triming area under triming mode is similar to that of iPhoto. You can select triming area by mouse drag (see below) While you are selecting/resizing the selected area, a tooltip is displayed and show the current pixel size of the selected area. Like iPhoto, you can use Constrain feature to select a triming area. While you are

selecting a triming area, the current Constrain setting and area size is displayed in a tooptip under the toolbar (see below).

After you select the triming area, you can resize the triming area by draging the edge of triming area. Also you can move the triming area by draging the center of the trming area. To reselect triming area, just start mouse drag again. Clicking on the outside of triming area deselect the current triming area. If you are familiar about iPhoto's trming operation, you can easily know how to do it since the operation is very similar and intuitive.

Once you have selected the trming area, click on the **'Trim'** toolbar button to trim the image. (see below) Trim button is usually disabled until you select triming area. You can use Undo command to return to before trming.

Now you can save it as a new image file (or replace the original image file) using **'Save As'** function, or copy it to the clipboard by clicking **'Copy'** button, or add thumbnail icon of this trimed image to the image file by **'Add Thumbnail Icon'** function. **Unlike iPhoto, triming occurs only on memory and it won't be automatically saved back to the file. So be sure to do something before moving to the next or previous image.** When you go to the next or previous image and come back again, you will see the original image size (size before triming) unless you overwrite the original image using Save As function. When you select Save As function, standatd file save dialog with some options (image format and optional settings specific to the selected format) appears on the screen. As default, it shows same location and file name as the original image, but the image format would be the last one you used. So be careful not to overwrite the original unintentionally. When original file is overwritten, a warning dialog appears to let you confirm before overwriting.

To return to normal browse mode from trminig mode, press the Space Bar again. Triming mode is automatically end and go back to normal browse mode when you go to the next/previous image.

Note: After you selected triming area, you can still scroll image using scrollbar or wheel mouse. However, when you enlarge or reduce view size or use Fit command, the selected triming area is cleared although it still stays in the triming mode. In such case (enlarge/reduce/fit), you need to reselect the triminig area again.

Triming also can be done using 'Trim by Size...' function under Edit toolbar menu, which you can specify exact pixel size and location to trim. If you want to make the final image to an exact pixel size this would be better.

How to use (3) Editing images

QuickImageCM 2.1 introduced basic image editing functions like triming, scaling, filtering (appling effects). If you are familiar with PhotoShop, you would be able to know how to use such functions. All image editing operation supports undo (but not multiple undos). I think I have added most of the popular and basic filters you would need for digital photo retouching. As I mentioned earlier, all filters are coded from scratch, so some filters may work slightly different from the same one of PhotoShop. When you edit the image, be sure to use Save/Copy/Add thumbnail icon functions before moving to the next or previous image.

How to use (4) Adding/Removing Thumbnail icons

By selectings 'Add Thumbnail Icon' or 'Remove Thumbnail Icon' submenu item, you can easily add/remove thumbnail icon to/from selected image files. You do not have to be careful not to select non-graphic files. QuickImageCM check it and add/remove thumbnail only to/from graphic image files. All non-graphic files and aliases, folders are simply ignored and skipped.
Also, when adding thumbnail, if a graphic file already has custom thumbnail icon, it will be replaced. When removing thumbnail icon, if a graphic file does not have thumbnail icon, it will be just skipped.

'Delete Thumbnail Icon and Entire Resource Fork' function deletes entire resource fork including thumbnail icons. Since some graphic application (like PhotoShop) add some other extra data to file's resource fork, this function would be useful to clean up such extra data. (Basically, deleting resource fork from graphic image file would not cause any problems of viewing/using the graphic image file.)

If you selected a lot of image files and invoke this 'Add Thumbnail Icon' function, it may take a long time until it completes. So QuickImageCM displays a progress dialog and let you see the progress of operaion and gives you a chance to cancel the operation anytime in the middle.

NOTE Since version 2.4, QuickImageCM generates only 128x128 icons for thumbnail icons.

How to use (5) Copy <img> HTML tag

By selectings 'Copy <img> HTML tag' menu item, you can create <img> HTML tag from the selected image files and copy it to the clipboard as text. Thus, you can easily paste it into your HTML file using text editor.
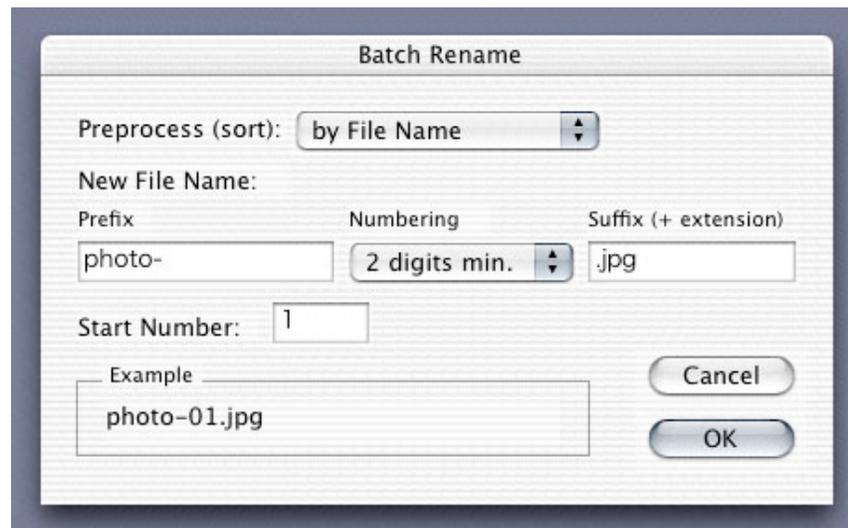When multiple image files are selected, multiple <img> tags are created. <img> tag has the following format:

<img src="(file name)" width="(width)" height="(height)">

Where (file name), (width) and (height) is replaced actual data obtained from the image file.

How to use (6) Batch Rename

By selectings 'Batch Rename...' menu item, you can batch rename selected image files easily and quickly. When this function is selected, the following dialog appears on the screen.

You can specify the naming rule and some other things here. First, if multiple image files are selected, select the preprocess (sort) option – whether you want to sort the order of the files before renaming them. Next, specify the naming rule using 3 elements (prefix, numbering, suffix+extension). Numbering rule is specified using minimum digits and start number. You can see the example file name using the current naming rule in the Example box. As you change the naming rule, the example in this box changes. Once you have set the naming rule, press OK button to execute batch renaming. Besides, folders and aliases are automatically excluded from the target before renaming even if the selected items contains them. If there's the same file name already exists,

it skips to use the file name and retry renaming by increasing numbering by one.

How to use (7) Converting Images

By selectings 'Convert To' and it's submenu item, you can convert selected images into the format you have choosen easily. Converted image files are saved as new files in the same place as the original image files. For the file name, it removed file name extension from original file name (if any) and add the following extensions. Since version 2.1b2, long file name is supported.

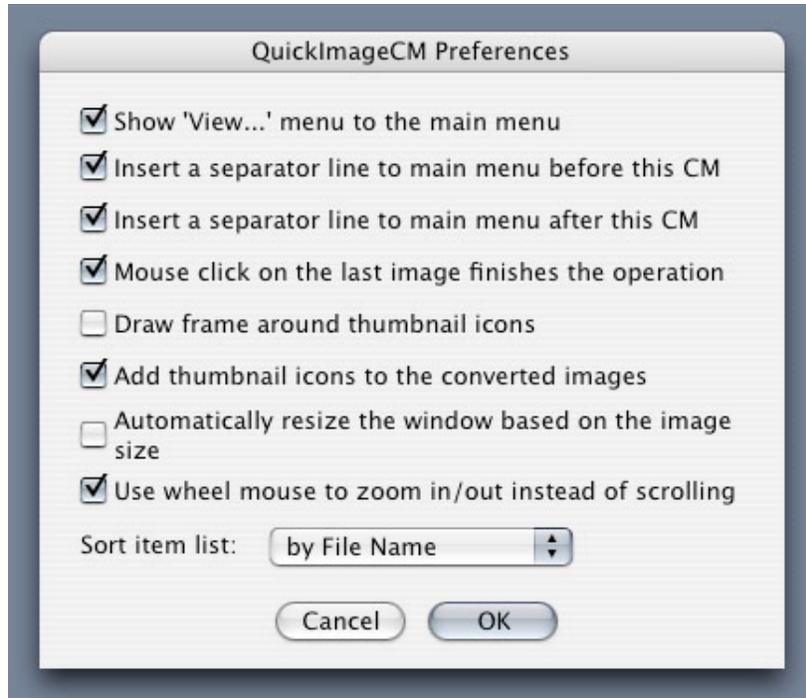| Image Foramt	File Name Extension (to be added)
JPEG	.jpg
PNG	.png
PSD (PhotoShop)	.psd
TIFF	.tif
PICT	.pict
BMP (Windows Bitmap)	.bmp

IMPORTANT: If the same file name already exists, QuickImageCM add another extension to avoid overwriting any existing file. (For example, if original image is **'test.jpg'** and convered to JPEG file, the output file will be **'test.jpg.jpg'**)

 As default, converted image will have thumbnail icon attached. But you can turn this thumbnail icon option from Preferences dialog. System's default file creator will be assigned to converted image files, which currently is 'prvw' (Preview's creator). Currently, you can not set any detail options for each output format (except for JPEG). If you want to do this, use 'Save As' function from image view window. For JPEG conversion, you can choose output quality level from five levels (Minimum, Low, Normal, High and Maximum) using submenu.
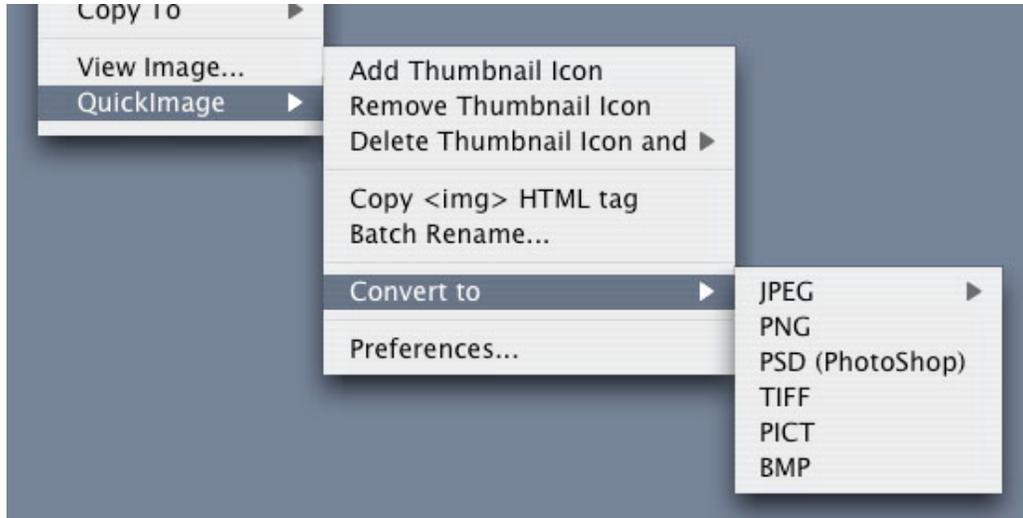
If you selected a lot of image files and invoke this 'Convert To' function, it may take a long time until it completes. So QuickImageCM displays a progress dialog and let you see the progress of operaion and gives you a chance to cancel the operation anytime in the middle.

How to use (8) Preferences

By selectings 'Preferences...' submenu item, you can access QuickImageCM's preference settings (below).

First three settings are related with how the QuickImageCM show it's contextual menu and sub menus. If you check the first checkbox, the 'View...' menu will be displayed in the main contextual menu as 'View Image...'. The second and third checkbox determine if separator lines to be displayed before/after the QuickImageCM's menu. Below is the sample when all these three checkbox is selected.

This may be a bit helpful for those who uses numbers of third party contextual menu plugin and want to QuickImageCM stand out among them.

Mouse click on the last images finishes the operation

Although image view window now has 'Exit' toolbar button, some people still prefer the way old version works. So I added this option and it's ON as default. If you uncheck this checkbox, you can not finish operation by clicking on the image of the last image. You have to click on the 'Exit' button (or press Esc key) to finish the operation. This option might be useful if you want to browse multiple images back and forth with mouse buttons (left and right buttons). With this option OFF, you don't have to worry about finishing operation by clicking on the last image.

Draw frame around thumbnail icons

This option determines if QuickImageCM will draw frame (1 pixel width in solid black) to thumbnail icons it generates. Since older version of QuickImageCM always drawed the frame, the default of this option is ON.
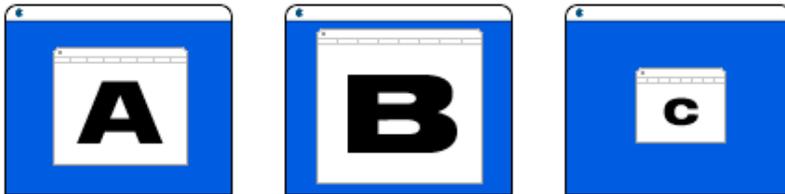
Add thumbnail icons to the converted images

This option determines if QuickImageCM will add thumbnail icons to the converted image files or not. As default, it is ON, so converted image will have thumbnail icons. This setting is also applied when you save image using 'Save As' function under View mode.

Automatically resize the window based on the image size

This option determines if window size is automatically resized by some operations like trming, scaling, zoom in/out, or when a new image is displayed. Check this if you want the same behavior as the old version of QuickImageCM. Uncheck this if you want to see the image always in the same window size. Also, this fixed window size mode will remember the size and location of the window so that it will use the same size and location next time you invoke QuickImageCM. Fixed window size mode is a bit quicker since it does not require window resizing.
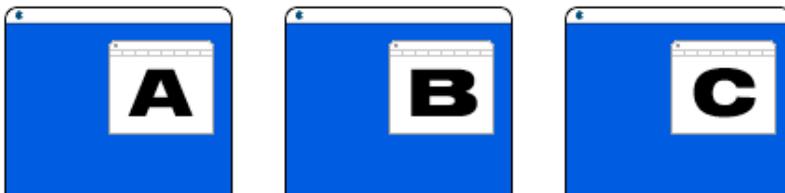
(1) Checked

    Resize the window based on the image size and center the window on the screen. If you changed the image size by trim/scale function, or zoom in/out the image, the window size is automatically resized to the best size so that you do not have to resize the window manually.
    Compatible mode with QuickImage CM 1.x. Since window resizing and repositioning is involved, it would be a bit slower to switch images than the next mode. This mode would be better for those who mainly use QuickImageCM for editing (retouching) images.

(2) Unchecked

    Remember the last window size and position and use them always. Image is scaled to fit the window size. Upon completion of QuickImageCM operation, it saves the current window size and location for the next time. This is quicker than auto window resize mode because no window resize and reposition involved. For those who just want to see what kind of images, or those who uses slow machine, this mode would be a better choice.

Use wheel mouse for zoom in/out instead of scrolling

This option determines if wheel mouse can be used for zoom in/out or scrolling image. The default setting is OFF and wheel mouse is used for scrolling image. Check this option if you want to zoom in/out with wheel mouse.

Sort item list

When multiple images are selected, the order of items is determined by the Finder, but somehow it's unpredictable (I am not sure how the Finder determines the order). With this option, QuickImageCM will sort the

item list by either Name, Date Created, or Date Modified. This option might be useful since pictures that are taken by digital cameras have file name with sequencial numbering. However, since QuickImageCM need to sort the item list before displaying the first image, it may take some extra time especially when large number of images are selected.

Version history

2.4 (12/20/2004)
      Added progress dialog display to 'Add Thumbnail Icon' and 'Convert Image' functions, which let users cancel the operation anytime in the middle.
      Increased the speed of making thumbnail icon (3 times faster than before) by eliminating of generating small icons. (Now only 128x128 dot icon is generated).
      Added a preference option whether to add or not to add black frame to thumbnail icons.
      Improved the image quality of thumbnail icons.
      Added 'Delete Resource Fork' function which eliminates extra data from image files in addition to thumbnail icons.
      Added Label button to the main view window, which let users add/remove label easily for organizing images.
      Changed all blank menu items to separator lines in pulldown menu at main view dialog.
      Fixed a bug of undo/redo processing during file switching back and forth.

2.3 (4/17/2004)
      Fix a bug that cause Finder crash under Panther
      Added support for 'Redo' operation
      Added 'Copy <img> HTML tag' function.
      Added 'Batch Rename...' function.
      Changed the level of contrast and brightness filter from 10 to 20 levels (more fine adjustment)
      Now Command+W can be used for close view window and finish operation (same as ESC key)
      Fixed some minor bugs.

2.2 (9/23/2003)
      Moved 'Scale' toolbar button to Edit menu and name it as 'Scale by Size...'
      Added 'Scale by Ratio' and it's submenu items for quick scaling using popular scale ratios.

      Added 'Constrain' menu to the toolbar. It works like iPhoto's constrain feature.
      Added Preference option for sorting item list (of mutilple images). It can be either one of OFF / By Name / By Date Created / By Date Modified. If sorting option is chosen, the item list is sorted before displaying the first image.
      Now it displays current constrain setting to the tooltip in addition to the size of the current selected area under the triming mode. Also a minor bug of displaying the current area size on a tooltip has been fixed.
      Added date created and date modified to the Info dialog.

2.1 (8/10/2003)
      Now all filters works only in the selected area if it's in triming mode and an area is selected (otherwise, it works for an entire image)
      Red Eye Removal filter is added
      A tooptip is displayed to show the current selected area size when a area is being selected/resized under the triming mode.
      Keyboard navigation now works with AZERTY keyboard layout and other foreign keyboard layouts.
      Added French localized resource
      Fixed a bug that cause Finder crash when zoom in/out image under triming mode.

2.1b3 (7/23/2003)
      Added flip function (horizontal and vertical mirror) under Edit toolbar menu
      Added rotate function (180, 90CW, 90CCW, Arbitrary) under Edit toolbar menu. (Currently only black or white color can be selected as the background color for arbitrary rotation)
      Added new Preference option to use wheel mouse for zoom in/out instead of scrolling image.
      Fixed disapearing scrollbar bug upon zoom in/out that was introduced with Beta 2.
      Fixed some minor bugs

2.1b2 (7/16/2003)
      Added '.icns' file viewing capability. Currently, only thumbnail icon (128x128) can be viewed.
      Added 'Rename' function, which let you rename the current file. Long file name is supported.
      Added 'Trim by Size' function under Edit toolbar menu, which is similar to PhotoShop's 'Canvas Size' command but does only support triming.
      Added support for long file name (except for Save As function). Save As function uses QuickTime API to display file save dialog and the long file name support has not been implemented by QuickTime API yet. So this is the only place that QuickImageCM has no control. So, rename and convert functions, and file name on the window's title bar support long file name now.
      Changed the way 'Auto Widow Resize' mode works. Now it resizes the window even for zooming in/out so that you can always see the image in the best window size. This will eliminate the need for expanding (resizing) window manually.

The corresponding Preference settings has been changed it's title slightly.
      When converting images from 'Convert to' contextual menu, existing image will no longer be overwriten. (always add extra extension to create unique file name upon conversion if the same file name
exists).
      Fixed some Japanese tool tip in English version.

2.1b   (7/9/2003)
      Major version-up.
      Viewing function is redesigned and the code is rewritten to support image scrolling.
      Toolbar has more buttons and some of them has pull-down menu with multiple functions (commands)
      Added Print functions (Page Setup and Print)
      Added Trim function - trimed image can be saved, printer, or copied to clipboard.
      Added Scale function - enlarge/reduce image (not zoom-in/out)
      Added 17 image editing filters (grayscale, brightness & contracst, blur, sharpen...)
      Increased maximum enlargement ratio from 500% to 800%.
      Added fixed window size mode for view function for quicker preview of images.
      Changed the information that is displayed window title and the area belows the toolbar.
      No longer display error dialog for the image files that are not supported by QuickTime.
      Added 'Remove From List', 'Revert', 'Undo' functions.
      Added 'Add Thumbnail Icon' and 'Remove Thumbnail Icon' in the toolbar menu.
      Can add a thumbnail icon to the files created using 'Save As' function (depends on Preferences)
      Removed 'Copy and Save As functions use the current view size instead f original image size'
 preference setting because real scaling function is added.
      Fixed a bug that can not overwrite original file with 'Save As' function.
      Fixed some minor bugs
      Separated localized resource other than English and Japanese from the package.

1.4   (6/6/2003)
      Added 'Convert To' menu and function that converts selected image into various format (JPEG, TIFF, PNG, BMP...) . The converted image files are created as new files in the same place as the original image.
      Added two new options to the Preference settings. (1) Mouse click on the last image finishes operation, (2) Add thumbnail icons to the converted images.
      Added support for two button mouse and wheel mouse.
      Changed the operation key assign. Now up and down arrow keys are used for enlarge/reduce image.
      Added 'Exit' button to the image window's toolbar.
      Fixed incorrect version number display under Finder's Get Info dialog.
      Italian localization resource is added, thanks to Geppo.

1.3   (5/27/2003)
      Added Preference settings. Now view menu can be added to main menu instead of sub menu.
      Added preference options to insert separator line before or after the menu of this CM. This may help to organize the look of contextual menu a bit.
      Added a preference option to determine if Copy and Save As functions works on original image size or current view size. This will make it easy to create scaled image to the Clipboard or to the saving file.
      Added Japanse ReadMe file.

1.2   (5/26/2003)
      French localization resource is added, thanks to Thomas Didrel.

1.2   (5/13/2003)
      Added quick and minimum file type/creator check before showing contextual menu. This excludes some obvious non-image file like text file, apple script file, etc..
      When viewing image, if Finder is not the frontmost process, it switches Finder to the frontmost so that image window won't be hidden by other app's front window. When viewing is done, it switches back to the original frontmost pcoess.
      Thumbnail icon 'it32' now uses TIFF Packbit compression format to reduce the size of thumbnail icon.

1.1   (4/30/2003)
      Added Japanese localization. French localization comes soon....
      Made more localization friendly using Nib file and resource file.
      Added Quartz2D drawing mode, can be switched back and forth by pressing 'Q' key.
      Now it shows original image size on the window's title bar, and current view size is shown inside of the window.
      Minor bug fixes

1.0   (4/22/2003)
      Original version

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