

Package: kwb.iview (via r-universe)

August 24, 2024

Title Interface to IrfanView

Version 0.0.99

Description Wrapper functions to IrfanView functionality.

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Imports kwb.utils

Remotes github::kwb-r/kwb.utils

Encoding UTF-8

RoxygenNote 7.1.1

Repository <https://kwb-r.r-universe.dev>

RemoteUrl <https://github.com/KWB-R/kwb.iview>

RemoteRef HEAD

RemoteSha 4c643d9ef6ff7a2b285d57a9b29785cfd9bf5e13

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appendImages	<i>Append Images Horizontally or Vertically</i>
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Description

Append Images Horizontally or Vertically

Usage

```
appendImages(  
    files,  
    direction,  
    file,  
    run = TRUE,  
    irfanViewExe = defaultIrfanViewExe()  
)
```

Arguments

files	paths to image files to be appended
direction	1 = horizontally, 2 = vertically
file	name of output file
run	logical. If TRUE (default) the append action is performed, otherwise the command line doing the append action is returned
irfanViewExe	path to IrfanView Executable file

convertToFormat	<i>Convert Image to Format</i>
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Description

Convert Image to Format

Usage

```
convertToFormat(  
    imagepath,  
    format,  
    outputdir = dirname(imagepath),  
    wait = TRUE,  
    irfanViewExe = defaultIrfanViewExe()  
)
```

Arguments

imagepath	full path to image file to be converted
format	file extension of target format (without ".", e.g. "jpg", "bmp", ...)
outputdir	output directory where converted image is to be saved. Per default the file is created in the directory of imagepath
wait	passed to shell
irfanViewExe	path to IrfanView Executable

cropImageAndSetBorders

Use IrfanView to Crop the Image and Set Borders

Description

Use IrfanView to Crop the Image and Set Borders

Usage

```
cropImageAndSetBorders(
    inputdir,
    outputdir,
    irfanViewExe = defaultIrfanViewExe(),
    crop = c(left = 0, top = 0, width = -1, height = -1),
    border = c(left = 0, right = 0, top = 0, bottom = 0),
    canvasColor = 255,
    useIni = TRUE,
    wait = FALSE,
    inputPattern = "*.gif"
)
```

Arguments

inputdir	full input path including file name or pattern, e.g. "*.png", "*.gif"
outputdir	full output path including file name or pattern, e.g. "*.pgm"
irfanViewExe	path to IrfanView Executable File
crop	vector of four integers (left, top, width, height): optional coordinates for cropping. If crop["left"] != -1 the image will be cropped, otherwise not.
border	vector of four integers (left, right, top, bottom)
canvasColor	passed to <code>kwb.iview::writeIniFile</code>
useIni	logical. If TRUE (default) an INI file is written and IrfanView is called with the <code>/ini</code> option on the command line
wait	passed to shell.
inputPattern	file name pattern matching the files in inputdir to be processed

defaultIrfanViewExe *Default Path to the IrfanView Executable File*

Description

Default Path to the IrfanView Executable File

Usage

```
defaultIrfanViewExe()
```

iniContentCrop *Content for INI File Specifying Crop Action*

Description

Content for INI File Specifying Crop Action

Usage

```
iniContentCrop(  
  crop = c(left = 0, top = 0, width = -1, height = -1),  
  border = c(left = 0, right = 0, top = 0, bottom = 0),  
  canvasColor = 255  
)
```

Arguments

crop	integer vector with elements named left, top, width, height
border	integer vector with elements named left, right, top, bottom
canvasColor	value used in IrfanView [Effects] option CanvColor

iniFileAssignment	<i>Assignment to be Used in INI File</i>
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Description

Assignment to be Used in INI File

Usage

```
iniFileAssignment(optname, optvalue)
```

Arguments

optname	name of option
optvalue	value of option

writeIniFile	<i>Write INI File and Return Option String</i>
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Description

Write INI File and Return Option String

Usage

```
writeIniFile(outputdir, crop, border, canvasColor, filename = "i_view32.ini")
```

Arguments

outputdir	output directory
crop	passed to <code>kwb.iview::iniContentCrop</code>
border	passed to <code>kwb.iview::iniContentCrop</code>
canvasColor	passed to <code>kwb.iview::iniContentCrop</code>
filename	name of INI file

Value

option string required to tell IrfanView to use the INI file

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