

CyberView.doc

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Contents

1	CyberView.doc	1
1.1	The Tale of CyberWindow	1
1.2	Purpose of CyberWindow	1
1.3	Features of CyberWindow	1
1.4	Using CyberWindow	2
1.5	Some ideas for the future of CyberWindow	3
1.6	Developement of CyberWindow	3
1.7	Installation of CyberWindow	3
1.8	Copyright and other legal topics	3
1.9	Hall of Fame	4
1.10	Author	5

Chapter 1

CyberView.doc

1.1 The Tale of CyberWindow

CyberWindow V1.0

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An universal image viewer for the CyBERgraphics WB Emulation

Purpose
Features

Installation
Using CyberWindow

History
Future

Copyright
Acknowledgements
Author

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1.2 Purpose of CyberWindow

After the basic work on CyberView was finished Frank Mariak had the idea for a window based image viewer which should demonstrate the possibility to use Intuition screens with 15, 16 or 24 bit.

When the first quick hack was done it was great to see a true color picture in 65536 colors inside an Intuition window. So I decide to continue the development.

This program called "CyberWindow" is the result of this development.

1.3 Features of CyberWindow

CyberWindow will run on any Amiga with OS 3.0 (or newer) and an installed CyBERgraphics system version 40.41 (or newer). The amount of free memory which is required depends on the size of the images which shall be viewed. CyberWindow can only be used from CLI.

Supported file formats are:

- GIF
- IFF ILBM
(1-8 bitplanes, EHB, HAM, HAM8, 24bit)
- JFIF
(via the Tower JPEG Code Class)
- DataTypes
- PBM+
(formats P1-P6)

1.4 Using CyberWindow

SYNOPSIS

CyberWindow FILES/M, PROGRESS/S, PUBSCREEN/K

ARGUMENTS

FILES: filename(s) or AmigaDOS pattern(s) of the image(s)
which shall be viewed

PROGRESS: open progress indicator window

PUBSCREEN: public screen with a depth of at least 15 bit on
which the progress indicator window and the
graphics window will be opened

EXAMPLES

Show informations about the builtin loaders:
CyberWindow

Load a single picture and show it on the default public screen:
CyberWindow Awakening.JPG

Load all pictures ending with ".ilbm" with the progress indicator
window opened on a public screen called "IMAGEDESK".
CyberWindow #?.ILBM PROGRESS PUBSCREEN IMAGEDESK

Load "One.GIF" and "Two.PBM" with the progress indicator
window opened on a public screen called "MyScreen":
CyberWindow One.GIF Two.PBM PROGRESS PUBSCREEN MyScreen

Use a file requester to select pictures:
CyberWindow 'RequestFile TITLE CyberWindow MULTISELECT'

1.5 Some ideas for the future of CyberWindow

These features might be added to future version of CyberWindow:

- add support for PCX and other file formats
- reduce amount of free memory required to load pictures
- quantize pictures if screen has a depth lower than 15 bit
- Workbench support

1.6 Development of CyberWindow

CyberWindow 1.0:

- first public release
- loaders: ILBM 1.0, JFIF 1.0, DataTypes 1.1, GIF 1.0, PBM 1.0

1.7 Installation of CyberWindow

To install "CyberWindow" you only have to copy the binary to any directory you like.

If you want to load JFIF image files you need to install Christoph Feck's Tower JPEG Code Class, too. The required binaries and an install script can be found in the "JPEGCodeClass" directory included in the distribution archive of CyberView. If Christoph Feck's "jfif.datatype" is already installed you don't need to do any further installation.

Users of my directory utility Filer (version 3.20 or newer) can add these lines to their configuration file to use CyberWindow:

```
CLASS "#?", "FORM????ILBM", "CyberWindow %s PROGRESS PUBSCREEN %p"
CLASS "#?", "???????JFIF", "CyberWindow %s PROGRESS PUBSCREEN %p"
CLASS "#?", "GIF8", "CyberWindow %s PROGRESS PUBSCREEN %p"
CLASS "#?", "P1", "CyberWindow %s PROGRESS PUBSCREEN %p"
CLASS "#?", "P2", "CyberWindow %s PROGRESS PUBSCREEN %p"
CLASS "#?", "P3", "CyberWindow %s PROGRESS PUBSCREEN %p"
CLASS "#?", "P4", "CyberWindow %s PROGRESS PUBSCREEN %p"
CLASS "#?", "P5", "CyberWindow %s PROGRESS PUBSCREEN %p"
CLASS "#?", "P6", "CyberWindow %s PROGRESS PUBSCREEN %p"
```

And of course you have to use a display mode with a depth of at least 15 bits e.g. "PICASSO:800x600x64K".

CyberView can also be used as external viewer for Reinhard Haslbeck's ImageDesk. Just set the external viewer for GIF, ILBM, JPEG and PNM to "CyberWindow %s PROGRESS PUBSCREEN IMAGEDESK" and use a screen mode with a depth of at least 15 bits.

1.8 Copyright and other legal topics

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The JPEG codec is Copyright (c) 1994 Christoph Feck, TowerSystems. All Rights Reserved. It is based in part on the work of the Independent JPEG Group.

1.9 Hall of Fame

The following people helped me during the development of "CyberWindow":

Frank Mariak He is one of the authors of CyBERgraphics, made bug fixes for me, gave me hints, always supplied me the newest version and of course tested CyberWindow. And he was the one who suggested to create a window based image viewer.

Christoph Feck He wrote the JPEG codec which made writing a JFIF loader very easy. He also gave me an example source for loading pictures with the "datatypes.library" and his example source "ScrollerWindow.c" was a good example for an adaptive scroller window.

Jürgen Weinelt He helped me writing my (unpublished) GIF datatype on which CyberWindow's GIF loader is based.

Ralph Schmidt,

Mick Hohmann,

Markus Stipp They helped me beta-testing CyberWindow.

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