

CyberView.doc

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Chapter 1

CyberView.doc

1.1 The Tale of CyberView

CyberView V1.2

=====

An universal image viewer for the CyBERgraphics WB Emulation

Purpose
Features

Installation
Using CyberView from CLI
Using CyberView from Workbench

History
Future

Copyright
 Acknowledgements
Author

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1.2 Purpose of CyberView

At the WoC 1994 in Cologne I had a nice talk with Frank Mariak one of the authors of CyBERgraphics about their plans to write a hardware independent Workbench Emulation which should add 24bit support to Intuition.

Because I liked the idea of a new standard now that Commodore probably will never provide a operating system with RTG I decided supporting it by writing a image viewer for CyBERgraphics.

This program called "CyberView" is the result of this effort.

1.3 Features of CyberView

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

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 CyberView from CLI

SYNOPSIS

```
CyberView FILES/M,PROGRESS/S,PUBSCREEN/K,DELAY/N
```

ARGUMENTS

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

```
PROGRESS: open progress indicator window
```

```
PUBSCREEN: public screen for progress indicator window
```

```
DELAY:    automatically end viewing the current picture after  
          the supplied number of seconds
```

EXAMPLES

```
Show informations about the builtin loaders:  
CyberView
```

```
Load a single picture:  
CyberView Awakening.JPG
```

```
Load all pictures ending with ".ilbm" with the progress indicator  
window opened, go the next picture after 10 seconds:  
CyberView #?.ILBM PROGRESS DELAY 10
```

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

```
Use a file requester to select pictures:
```

CyberView `RequestFile TITLE CyberView MULTISELECT`

1.5 Using CyberView from Workbench

There are two ways of using CyberView from the Workbench:

1.) As Default Tool:

Specify CyberView as the default tool of an image icon.
Then double click on the image icon to view the picture.

2.) Multi Selection:

You can also use Workbench's multi selection feature to view pictures using CyberView. Click (single click) on an image icon, then press the shift key on your keyboard and continue to single click as many image icons as you wish.

When you're done double click on the CyberView program icon (while still holding the shift key).

1.6 Some ideas for the future of CyberView

These features might be added to future version of CyberView:

- add support for PCX and other file formats
- get arguments "PROGRESS", "PUBSCREEN" and "DELAY" from icon's tooltypes if CyberView is started from the Workbench

1.7 Development of CyberView

CyberView 1.0:

- first public release
- loaders: ILBM 1.0, JFIF 1.0, DataTypes 1.0

GIF 1.0

- Because CompuServ is said not to ask for payment for freeware I decided to risk to release the GIF loader.

DataTypes 1.1:

- The image data is no longer copied but directly used if possible. This saves both memory and time.

CyberView 1.1:

- loaders: ILBM 1.0, JFIF 1.0, DataTypes 1.1, GIF 1.0
- added "DELAY/N" argument

PBM 1.0:

- new loader for PBM+ files

CyberView 1.2:

- loaders: ILBM 1.0, JFIF 1.0, DataTypes 1.1, GIF 1.0, PBM 1.0
 - CyberView can now be aborted via pressing CTRL-C even if the progress
-

- window was not opened.
- some small improvements

1.8 Installation of CyberView

To install "CyberView" you only have to copy the binary and its icon 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 this archive. 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 CyberView:

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

1.9 Copyright and other legal topics

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CyberView must NOT be included or used in commercial programs unless by written permission from the author.

CyberView must NOT be used on any machine which is used for the research, development, construction, testing or production of weapons or other military applications. This also includes any machine which is used for training persons for *any* of the above mentioned purposes.

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.

1.10 Hall of Fame

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

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 CyberView.

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".

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

Ralph Schmidt,
Michael Hohmann,
Markus Stipp They helped me beta-testing CyberView.

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