

ViewPCD

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COLLABORATORS

	TITLE : ViewPCD		
ACTION	NAME	DATE	SIGNATURE
WRITTEN BY	Reinhard Haslbeck	August 15, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	ViewPCD	1
1.1	ViewPCD Documentation	1
1.2	introduc	1
1.3	disclaimer	2
1.4	distribute	2
1.5	usage	2
1.6	filename	3
1.7	wait	3
1.8	modeid	3
1.9	size	4
1.10	orient	4
1.11	screenreq	4
1.12	verbose	4
1.13	features	5
1.14	requirement	5
1.15	notes	5
1.16	history	5
1.17	history1	5
1.18	history2	6
1.19	thanks	6
1.20	author	6

Chapter 1

ViewPCD

1.1 ViewPCD Documentation

ViewPCD 1.11
A freely distributable PCD viewer for PICASSO gfx boards

Written by Reinhard Haslbeck

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Introduction

Disclaimer

Distribution

Usage

Features

Requirements

Notes

History

Thanks

Author

1.2 introduct

Introduction

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ViewPCD shows Photo CD images on PicassoII gfx boards. Supported sizes

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are BASE, BASE/4, BASE/16. ViewPCD is ment to be a quick viewer for Your photos. If you wanna take advantage of the sizes 4BASE, 16BASE, converting the images or image processing functions, You should consider buying a commercial product.

## 1.3 disclaimer

Disclaimer

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The author cannot be held liable for the suitability or accuracy of this manual and/or the program(s) it describes. Any damage directly or indirectly caused by the use or misuse of this manual and/or the program it describes is the sole responsibility of the user her/him self.

ALL information about the PCD format I have, is from studying the source code from 'hpcdtoppm' or I've found out by myself. NOTHING else has been used for the PCD specific parts of this program.

1.4 distribute

Copyright/Distribution

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ViewPCD, © Copyright 1994 Reinhard Haslbeck. All rights reserved. This program may be freely distributed as long as all documentation and executable(s) remain unchanged and are included with the distribution. Also no profit is to be made by selling this program. Commercial distribution is NOT allowed without written permission from the author, but it is allowed to distribute the below listed files on Public Domain CDs like Fresh Fisch or Aminet CDs. It is also allowed for non-commercial BBSs to distribute an archive with only the following files in it to save your users some money when they want to download this program. NOTE: All files listed below MUST be distributed together. None of the files listed below may be distributed on it's own! They may ofcourse be archived with any archiver.

|                          |                                 |
|--------------------------|---------------------------------|
| ViewPCD                  | - Main Program                  |
| ViewPCD.info             | - Icon                          |
| ViewPCD.guide            | - Manual                        |
| ViewPCD.guide.info       | - Icon                          |
| IntuiView.prefs.add      | - add this to 'IntuiView.prefs' |
| IntuiView.prefs.add.info | - Icon                          |

## 1.5 usage

How to use

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ViewPCD can be started from Workbench or Shell. If You start it from a shell the below listed arguments are allowed. Type 'ViewPCD ?' and all available arguments are shown:

FILENAME/M,W=WAIT/K/N,M=MODEID/K/N,S=SIZE/K,O=ORIENTATION/K,R=SCREENREQ/S,V= ↵
VERBOSE/S:

FILENAME

WAIT

MODEID

SIZE

ORIENTATION

SCREENREQ

VERBOSE

If ViewPCD is started from Workbench, You can set values to the tooltypes 'WAIT', 'MODEID', 'SIZE', 'ORIENTATION', 'SCREENREQ' and 'VERBOSE'. They have the same meaning as they have in shellstart.

Pressing a key or a mousebutton will close the screen and ViewPCD fetches the next file (in Pattern Matching mode) or pops up the filerequester again. Press the <ESC> key or select 'Cancel' in the file/screenrequest to abort the program.

1.6 filename

FILENAME:

Simply the name of the PCD image you want to see. Usally this will be 'IMGnnnn.PCD' (0000 < nnnn <= 9999) and should be found in the path 'PHOTO_CD/IMAGES' of the CD. If no filename is entered, a filerequester will appear. AmigaDos-style pattern matching is also supported.

1.7 wait

WAIT:

This is the optional duration time in seconds, an image will be displayed. Useful for slideshows.

1.8 modeid

MODEID:

If You want to force the image display screen to a specific ID,

You have to set a valid ScreenModeID for an Picasso 8/15/16/24 Bit screen here. Look out for the utility 'VScreenID' which helps getting the IDs. If You choose an ID which nominal sizes are smaller than the picture, the screen will be an autoscrolling one if possible. If the pictures dimensions are too big to display, it will be cropped. If the pictures dimensions are smaller than the screens, it will be displayed centered.

1.9 size

SIZE:

This has to be one of 'BASE', 'BASE/4' or 'BASE/16'. Default Size is 'BASE'.

A Master PCD contains the same photo in five Sizes:

```
BASE/16 = 192x128 Pixels or 128x192 Pixels
BASE/4  = 384x256 Pixels or 256x384 Pixels
BASE    = 768x512 Pixels or 512x768 Pixels
4BASE   = 1536x1024 Pixels or 1024x1536 Pixels
16BASE  = 3072x2048 Pixels or 2048x3072 Pixels
```

A Portfolio PCD doesn't contain the 4BASE and 16BASE sizes.

1.10 orient

ORIENTATION:

Normally ViewPCD tries to find out the orientation by itself, but due to my lack of a PCD specification I'm not sure if this works properly. Therefore You can force the orientation to 'LANDSCAPE' or 'PORTRAIT'.

1.11 screenreq

SCREENREQ:

Since version 1.1 ViewPCD tries to find a suitable screenmode by itself. If You don't like that screenmode, the switch SCREENREQ will induce ViewPCD to open a screenmode requester where You can select Your favourite VillageScreen.

1.12 verbose

VERBOSE:

By default no messages are printed out, even error messages are disabled. If You set VERBOSE, You will get some information about the image, screen etc.

1.13 features

Features

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- Needs not much memory (doesn't decode the whole image at once)
- Floating Point arithmetics have been replaced by Integer arithmetics for speed improvements.
- Intelligent (?) auto screen selection

## 1.14 requirement

### Requirements

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- An Amiga Computer with a UNSEGMENTED driven PICASSO II plugged in
- 'vilintuisup.library' V2.x+
- Amiga OS2.04+
- Hard- and software for reading PCD files

1.15 notes

Notes

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ViewPCD has not been tested on IBM PICASSOs. I expect serious troubles with that configuration.

## 1.16 history

### History

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V1.0 -> V1.1
V1.1 -> V1.11

1.17 history1

V1.0 -> V1.1: More intelligent(?) screen size handling.
Auto screen selection.
Removed some redundant data.

1.18 history2

V1.1 -> V1.11: Images in portrait format are not displayed mirrored anymore.

1.19 thanks

Thanks to

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Markus M. Wild for the GCC port  
Christian Stieber for his hints  
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Hadmund Danisch for finding out the details of the PCD format  
Village Tronic

## 1.20 author

author

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