

# **ViewPNM**

Reinhard Haslbeck

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**COLLABORATORS**

	<i>TITLE :</i> ViewPNM		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY	Reinhard Haslbeck	June 15, 2022	

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

## ViewPNM

### 1.1 ViewPNM Documentation

ViewPNM 1.4

A freely distributable PNM viewer for PICASSO gfx boards

Written by Reinhard Haslbeck

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Introduction

Disclaimer

Distribution

Usage

Requirements

Notes

History

Thanks

Author

### 1.2 introduct

Introduction

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ViewPNM is an image viewer for PICASSO II gfxboards. It displays PPM (24 Bit), PGM (8 Bit Grey) and PBM (1 Bit) files produced by the

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picture converter/manipulator tools from the PBM, PBPLUS and NETPBM libraries (Available on Aminet or sundry CD-Roms).

### 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/himself.

### 1.4 distribute

Copyright/Distribution

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ViewPNM, © 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.

|                          |                                 |
|--------------------------|---------------------------------|
| ViewPNM                  | - Main Program                  |
| ViewPNM.info             | - Icon                          |
| ViewPNM.guide            | - Manual                        |
| ViewPNM.guide.info       | - Icon                          |
| IntuiView.prefs.add      | - add this to 'IntuiView.prefs' |
| IntuiView.prefs.add.info | - Icon                          |
| PBMGUI.config.add        | - add this to 'PBMGUI.config'   |
| PBMGUI.config.info       | - Icon                          |

### 1.5 usage

How to use

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

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

FILENAME

WAIT

MODEID

SCREENREQ

VERBOSE

If ViewPNM is started from Workbench, You can set values to ↵  
the

Tooltypes 'WAIT', 'MODEID', 'SCREENREQ' and 'VERBOSE', which have the same meaning as they have in Shellstart.

Pressing a key or a mousebutton will close the Screen and ViewPNM 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 picture you want to see. 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. The ID has to be for an 15-,16- or 24Bit Screen if the image is a PPM or a PGM file and for an 8 Bit Screen if the image is a PBM file. 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 Screen, it will be displayed

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centered.

## 1.9 screenreq

SCREENREQ:

Since version 1.4 ViewPNM tries to find a suitable Screenmode by itself. If You don't like that Screenmode, the switch SCREENREQ will induce ViewPNM to open a Screenmode requester where You can select Your favourite VillageScreen.

## 1.10 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.

## 1.11 requirement

Requirements

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- An Amiga Computer with a UNSEGMENTED driven PICASSO II plugged in
- 'vilintuisup.library' V2.x+
- Amiga OS2.04+

## 1.12 notes

Notes

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- ViewPNM has not been tested on IBM PICASSOs
- P1, P2 and P3 formats are not supported

## 1.13 history

History

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V1.0 -> V1.1

V1.1 -> V1.2

V1.2 -> V1.21



V1.21 -> V1.3

V1.3 -> V1.31

V1.31 -> V1.32

V1.32 -> V1.4

## 1.14 history1

V1.0 -> V1.1: Now Handles PGM-files.

## 1.15 history2

V1.1 -> V1.2: Now Handles PBM-files, added MODEID-Option.

## 1.16 history3

V1.2 -> V1.21: fixed Bug by handling very large pics,  
program now exits if ScreenModeRequest is canceled.

## 1.17 history4

V1.21 -> V1.3: Speed improvement by reading the file in blocks of  
8 imagelines.  
Added 8Bit displays for 24Bit images using a fixed  
palette.  
Doesn't force Screen dimensions to 4:3 aspect any-  
more.  
<ESC>-Key now quits program.  
Support for Workbench ToolTypes.  
Sundry internal changes/enhancements.

## 1.18 history5

V1.3 -> V1.31: exit on <CTRL>+<C> is disabled.

## 1.19 history6

V1.31-> V1.32: Thanks to Gerhard Muellers 'gerlib', ixemul.library  
isn't needed anymore.  
Opens info window when started by icon if tooltype  
'VERBOSE' is set.  
Compiled without '-funroll-loops' for shorter code.

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## 1.20 history7

V1.32 ->V1.4: Looks for the best-fit-Screen by itself.  
Better Screensize handling  
Fixed Bug, which ocured when cropping is done  
twice or more.  
New Argument 'SCREENREQ' - pops up Screen Requester.  
New style of the printed infos.  
Removed some redundant data.

## 1.21 thanks

Thanks to

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Markus M. Wild for the GCC port  
Christian Stieber for some GCC hints  
Ingo Wilken for the NetPBM project  
Gerhard Mueller for 'Gerlib'  
Village Tronic

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author

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