

# **DCTV\_Retina.library**

Chris Gerrist

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<b>COLLABORATORS</b>
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	<i>TITLE :</i> DCTV_Retina.library		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY	Chris Gerrist	August 15, 2024	

<b>REVISION HISTORY</b>
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NUMBER	DATE	DESCRIPTION	NAME

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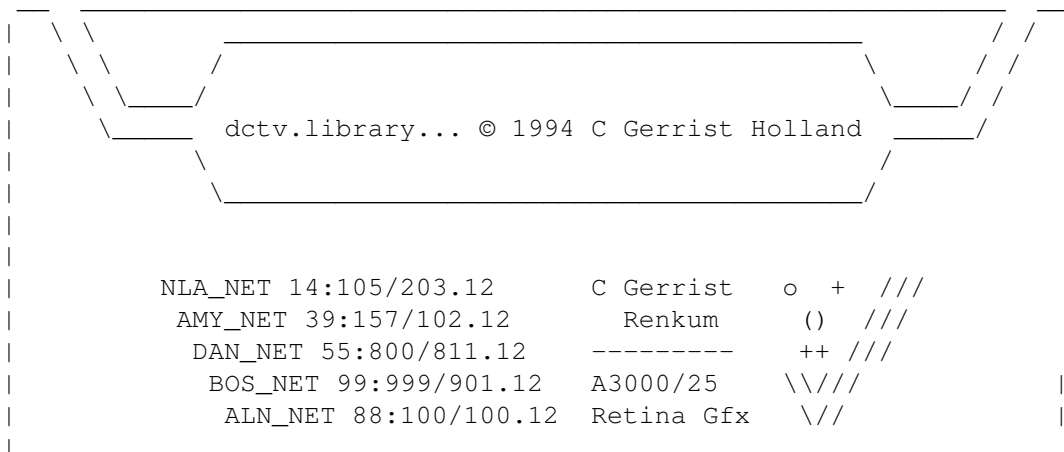
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## Chapter 1

# DCTV\_Retina.library

### 1.1 main

The DCTV.library is a library for the Retina Graphic board.  
© 1994 by C Gerrist, Holland.



This library is shareware.

I have made this library so Imagine can render direct on a 24 bit window on the Retina Board.  
This is the unregistered demo version. It displays 3 pictures in the displayed picture. If you registrate you get the full version.

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### 1.2 index

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## 1.3 Installation dctv.library

Installation  
=====

Copy de dctv.library in libs:  
Thats all.....  
(The retina respont now to dctv commands.)

If you set Imagine to dctv (in the config) than Imagine  
render direct on the retina-screen. This is very handy  
by quickrender. You see direct wath comes out.

Copy the Prefs proggy to any directory. You can set with the  
preference prog on what screen DCTV are displayed.  
You cane set to DeepWindow and RetinaScreen. See Prefs!

The dctv.library and the prefs programm need;  
\* retina.library  
\* retinaemu.library  
\* gadtools.library  
\* dos.library  
\* exec.library  
\* +/- 100 kbyte of mem for buffers

The library is written in assembler.  
The Prefs programm is written in Hisoft Basic v2.0  
(later written in assembler)

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## 1.4 Imagine.config

Imagine.config  
=====

QUIK "DCTV\_LORES" # quickrender preset name  
QUFF "DCTV" # quickrender file format

# PAL Rendering Presets  
PSET DCTV\_L,320,256,1,1  
PSET DCTV\_Q,180,160,1,1  
PSET DCTV\_HL,640,512,1,1,HIRES|LACE  
PSET DCTV\_S,800,600,0,0

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```

PSET    DCTV_E,352,282,1,1
PSET    DCTV_LL,320,512,1,2,LACE
PSET    DCTV_H,640,256,1,1,HIRES

# NTSC Rendering Presets
PSET    DCTV_L,320,200,1,1
PSET    DCTV_Q,180,100,1,1
PSET    DCTV_HL,640,400,1,1,HIRES|LACE
PSET    DCTV_S,800,600,0,0
PSET    DCTV_E,352,280,1,1
PSET    DCTV_LL,320,400,1,2,LACE
PSET    DCTV_H,640,560,1,1,HIRES

```

You can make your render resolution.  
See your Image book for more details.

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## 1.5 Prefs

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Prefs
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```

Copy the Prefs proggy to any directory.

With this Prefs program you can set several functions that are new in the library.

Integer gadget "X"	This gadget displays the width of the window that will open.
Integer gadget "Y"	This gadget displays the height of the window that will open.
Button gadget "ScreenID"	If you click on this gadget a requester with the 24 or 16 bit screenmodes are displayed. You can choose one of the screenmodes. The Retina.library or RetinaEmu.library opens a screen with this width and height. The size of the screen may be smaller as the rendered picture.
Button gadget "WindowID"	You can choose between RetinaScreen or DeepWindow24. RetinaScreen is not an Intuition screen. DeepWindow24 is a 24 or 16 bit Intuition window. You can click it behind 'right-Amiga m'.
	The WindowID are displayed in the string gadget.
Gadget "Wait"	If this gadget is Default you must click on a mouse button when the picture is displayed else, the window or screen would not be closed.
Gadget "Auto"	If this gadget is Default the opened window or screen are have the size of the rendered picture.

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	The Integergadgets X and Y and the Button gadget "ScreenID" are ghosted.
GadGet "Save"	If you select this gadget the preferens file are saved on disk.
GadGet "Info"	A window opens and displayed the version of the Retina, RetinaEmu and the Dctv.library

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## 1.6 Emulated Commands

Emulated Commands

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This library emulated several commands from the dctv.library

The commands that are emulated are;

- AllocDCTVCvt
- FreeDCTVCvt
- InitDCTVCvt
- CvtDCTVLine
- SetDCTVColorlist

Commands under construction

- FormatDCTV ; not needed
- TestDCTVSignature ; not needed
- AllocDCTVCvtTaglist
- ReadDCTVPixel

The first command that are implant are AllocDCTVCvtTaglist.

This command are new in the library and wil be used by new programs.

Imagine save also the picture with a strange name pic.0255 or else  
I dont no of this is a bug in Imagine or a bug in the library.  
(I working on it)

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## 1.7 Author

Author/support

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If you have questions or else let me no.

C Gerrist  
Europlaan 95



6871 ZC Renkum  
Holland

I have no Internet node adress. If you want to mail me you can  
send the mail to Joop van de Wege. He uploads the latest version  
for me and he is my personal postmen.

Email: Joop.vandeWege@Medew.ENTO.WAU.NL

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## 1.8 Registration

Registration formular

Name : \_\_\_\_\_  
Street: \_\_\_\_\_  
Zip-Code : \_\_\_\_\_  
City : \_\_\_\_\_  
Country : \_\_\_\_\_  
Telefoon : \_\_\_\_\_

I want to become registered user of the dctc.library for the  
Retina graphic board.

- ☐ o enclose a cheque  
(europe: euro cheque)  
(others: drawn on a Dutch bank)
- ☐ o transfer payment to  
Postbank  
Account: 7100170  
Comment: Registration dctv.library

To: C Gerrist  
Europalaan 95  
6871 ZC Holland

- ☐ o 25 Gulden
- ☐ o Send me \$20 or DM20 with the post. (Youre one risk)

=====  
If you send me a Eurocheck you must pay in guldens else  
I can not registrate you.  
=====

(My bank let me pay 10 gulden for administration)

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## 1.9 History

History

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1.0 Not all the commands are not installed.  
 1.2 Beta version.  
 1.3 Bug with Adpro and VistaPro are removed.  
 1.9 Unregistered version  
 2.0 cvt\_scrLinNum fix  
 2.1 Unregistered version  
 2.2 Registered version (Deepwindow - RetinaScreen)  
 2.3 - 8.7 are not made. I question from a user to start with  
       version 8.8. Some programs need dctv.library  
       version 8.8. This is very strange, (I have 3.0)  
       So I have made this version 8.8

New are; \* New prefs program.  
           \* Auto screen size or screen from screenmodes  
           \* Opens a Retinascreen or Deepwindow  
           \* Wait for click mouse button  
           \* See Prefs.....

The version 8.8 was made for some person that has a program  
 that must have dctv.library 8.0. The programmer of that program must  
 have a view drinks when he made that programm. The latest original version  
 is 3.0. I have think it over and I start with the version 4.0.  
 Now all (most) the programs that need dctv.library work.

4.0 - Save gadget, now you can change the preference without saving.  
       if you save, the prefs are placed on the HD in dir S:  
       - You can select 16 or 24 bit resolutions.  
         (65663 or 16.7..... colors.  
       - SetDCTVColorList is inplanted. I have sugest in other writings  
         that this command are not needed. But som programs change the color-  
         registers. (Adpro). else you can have som problems (bugy...)  
 4.1 - This is the same version but it is the Unregistered version.  
       You dont get a requester but it displays 3 pictures in the  
       renderwindow.....  
 4.2 When the Workbench-emulation is off then the dctv.library  
       displays on a retina\_screen. It dont mather what is in the prefsfile.  
       You can only have a retina 24 bit emulation\_window if the Retina-  
       workbench\_emulation is on.  
 4.3 Test version  
 4.4 Test version  
 4.5 Test version  
 4.6 - Major bug in Prefs programm and Prefs command in the dctv.library

- fix.
- LORES + LORES\_LACE + HIRES and HIRES\_LACE key are included so the window opens correct.

Under construction

\* Format IFF Deep or (maybe) JPG

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## 1.10 Latest demo version

If you want the latest demo-version. You must call to

AmigaLine BBS;

31 (0)8347 84968

The file can be found on 'Ret4DCTV46.LHA.  
46 = version number.....

The file is also found on (Internet)AmiNet (but later)

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