Lotus ScreenCam for Windows NT 4.0
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Readme.wri

This file contains important information about Lotus(R) ScreenCam(R) for Windows NT(TM) that is not included in the ScreenCam Windows NT online Help.

This file contains information on the following topics:

>System Requirements
>Installation
>Information for ScreenCam Users
>Known Issues

System Requirements

To use ScreenCam for Windows NT, you need the following equipment:

  * 80486 or higher computer, certified for use with Microsoft(R) Windows NT 4.0 with a minimum clock speed of 33 MHz and 16 MB memory

  * S3-compatible, ati, mga, and cirrus logic graphics adapter and monitor

  * Mouse

  * Microsoft Windows NT 4.0

  * 10MB of disk space for recording

  * (Optional) A sound device supported by Windows NT, speakers, and headphones. At this time Microsoft has only tested the following device drivers for WIN NT 4.0:

> Compac Business Audio
> Creative Labs Sound Blaster 1.x
> Creative Labs Sound Blaster 16
> Creative Labs Sound Blaster 16 Pnp
> Creative Labs Sound Blaster 32
> Creative Labs Sound Blaster 32 Pnp
> Creative Labs Sound Blaster AWE32
> Creative Labs Sound Blaster AWE32Pnp
> Creative Labs Sound Blaster Pro
> Ess Technologies 1688
> Ess Technologies 1788
> Ess Technologies 688
> IBM Mwave for ThinkPad
> IBM Power PC Audio
> Media Vision Pro Audio Spectrum
> Media Vision Pro Audio Spectrum 16
> Media Vision Thunder Board
> Microsoft Windows Sound System
> MIPS ARCsystem 100/150
> NEC sound system

Installation

Before you install ScreenCam for Windows NT, close all Windows programs and shut down all anti-virus protection programs.

Note that ScreenCam for Windows NT modifies the video device driver on your PC to enable ScreenCam to record under Windows NT. This occurs during the Install program. Install changes the name of the current video device driver to one recognized by ScreenCam. This does not affect other applications on your system. However, if you upgrade to a Service pack **after** installing your system and the ScreenCam application, double click on restore.exe in the ScreenCam NTdirectory and then re-install ScreenCam NT.

Follow these instructions to install ScreenCam for Windows NT:

1. Insert the CD into the CD-ROM drive.

2. From the Windows NT desktop, choose Start - Run.

3. Enter x:\install.exe in the Run dialog box, where x is your CD-ROM drive.

   Install consists of a series of dialog boxes that are self-explanatory.
   If you need more information when using a dialog box, you can get Help
   by clicking Help or pressing ALT+H.

4. After Install is complete, restart Windows NT.

Information for ScreenCam Users

This section covers new ScreenCam features, corrections to problems, and features that are not supported.

>New Features

ScreenCam NT has the following new features:

>Improved Audio Compression
>New Video Device Driver
>Optimized for Intel (R) MMX

>>Improved Audio Compression

This version of ScreenCam contains low bit-rate audio compression codecs that compress ScreenCam audio with significantly more compression than previous versions of ScreenCam. You must compress audio as 16-bit. Preliminary test results comparing Vocaltec compression to the low bit-rate compression in ScreenCam NT follow:

Movie Name	Uncompressed	Vocaltec Compression	Low Bit-Rate Compression
Bigsky	2605KB	1592KB	664KB
Acrobat	699KB	529KB	348KB
MTV	2127KB	1930KB	1768KB
Director	2659KB	1895KB	1303KB
Quicken	1983KB	1760KB	1577KB
aclient	4413KB	485KB	343KB
pcniomg	2696KB	1715KB	1549KB
printprob	630KB	457KB	381KB

These movies are available at www.lotus.com/screencam.

>>New Video Device Driver

A special ScreenCam video device driver allows ScreenCam to record under Windows NT 4.0. This driver modifies the current video device driver during Install. If the ScreenCam video device driver is ever overwritten, you must reinstall ScreenCam. This driver is S3 video driver compatible and does not affect other applications. Visit www.lotus.com/screencam for the latest information on additional support for other video display drivers.

If you need to uninstall ScreenCam for Windows NT, you must restore your system's original video device driver **before** you start the uninstall program. (This is the driver that your system used before you installed ScreenCam for Windows NT.)

To restore your original video device driver, double-click on restore.exe in the ScreenCam NT directory.

>>Optimized for Intel MMX

This version of ScreenCam is optimized for Intel MMX hardware.

>Corrections to Reported Problems

The following problems found in ScreenCam 97 for Windows 95 have been corrected in this version of ScreenCam for Windows NT.

 * Movies created with 256 colors no longer playback with blue/black lines appearing.

 * ScreenCam no longer crashes when low bit rate audio is played back.

 * ScreenCam, the unified player, and standalone movies no longer crash when movies are recorded using 256 colors.

 * The font size, for captions, is now being saved properly. It no longer changes to a large value.

 *A problem with transparent captions affecting audio devices is corrected

 *Palette shifting for most color palettes (except 256 color) when recording large graphics has been improved.

 *Jump to Segment during the playback of multisegmented movies in Windows NT 4.0 functions correctly.

 *Audio no longer stops playing unexpectedly during movie playback in Windows NT 4.0.

 *In movies where several segments have been appended into one movie and where the first segment has no screen activity for an extended period of time, the first segment has played back too fast. This has been corrected so that the first segment plays back as recorded.

 *Cursors now record correctly in movies that display the Windows desktop screen for an extended period of time.

 *A problem with a crosshair cursor not being recorded has been corrected.

 *Tabs and white space now display correctly in captions.

 *When you minimize ScreenCam, the caption window is now hidden.

 *The Stop panel now displays outside the Windows taskbar when you select "Do Not Select Always on Top".

*If no sound hardware is installed the Both button is dimmed.

*You can no longer launch more than one copy of ScreenCam at a time.

*You can now open a file in a folder that includes a period in the folder name.

*If you play back a movie where text is entered into WordPad(TM), the bar no longer displays at the end of each line of text.

>Unsupported Features

The following features are not supported in ScreenCam for Windows NT.

 * Segments from movies created under Win95 cannot be appended with a movie created under WinNT4.0 nor can WintNT4.0 segments from movies be appended to Win95. This will cause blue lines to appear upon playback.

*Numeric hotkeys.

*Ability of SmartSuite (R) users to send mail as a circulation.

*Vocaltec compression is not available for Microsoft Windows NT.

 *You can not assign F12 as a hotkey for controlling recording, playback, or caption display.

 * "Emphasize Font Fidelity," a feature that is supported in ScreenCam 97 for Windows 95 is not   supported in ScreenCam for Windows NT.

>Recording ScreenCam Movies with IBM ThinkPads

If you are using an IBM ThinkPad 750, 755 series, or 760 series system, and you experience difficulty creating ScreenCam movies with sound, follow these steps and then re-record your movie:

 1. Verify that you are using the most recent version of BIOS. Refer to the following location on the Web for the version that your system requires.

   http://www.pc.ibm.com/support/tps/ref.html

 2. Verify that you are using MWAVE 2.11 at the recommended MWAVE settings.

>Other Known Issues

Here are some other known issues with ScreenCam for Windows NT.

 *Vocaltec compression is not available for Microsoft Windows NT. Older ScreenCam Movies containing audio that were compressed using Vocaltec compression must be opened and recompressed using ScreenCam for Windows NT's low bit rate compression

 *Before you start recording, wait until the Stop panel displays. If you have hidden the Stop panel, wait several seconds for ScreenCam to initialize before you record.

 *Do not record while running themes, wallpaper, screensavers, or animated cursors, as this will adversely affect performance.

 *On monitors using 256-color display, you might see palette-shifting if you click the ScreenCam control panel or a dialog box and then click a bitmap that uses a palette other than the system standard.

*If you save a ScreenCam movie as a .WAV file for playback outside of ScreenCam, and you want the best sound quality, do not compress the file.

*If you want captions with centered or right-justified text, use the Spacebar instead of the Tab key to indent text.

*You currently cannot embed ScreenCam movies into a Lotus 1-2-3(R) Release 5.01 spreadsheet.

*If you embed a ScreenCam movie in a Lotus Notes(R) database form by creating the object from a file, or by pasting the object from the clipboard, you must then open and update the object for Notes Field Exchange (Notes /FX). Field exchange occurs automatically if you embed a movie by first creating a new object and recording the movie.

*A problem with movie playback in 16-bit environments (Windows 3.1) that required a special player has been fixed. This version of ScreenCam contains a single ScreenCam player to playback movies under Windows 95, Windows NT, and Windows 3.1. This requires a patch available from Microsoft at www.microsoft.com/kb/articles/q120/9/01.htm, which is applied to WIN 3.1. For more information on this, visit the ScreenCam website at www.lotus.com.screencam.

*Laptops that are not optimized for use with Windows NT 4.0 are not reccommended for recording ScreenCam movies.

*Differences between Microsoft Windows 95 and Windows NT 4.0 result in the following restrictions and issues:

** ScreenCam movies that you created in ScreenCam for Windows NT can be significantly larger than movies created in ScreenCam for Windows 95. Plan movies in advance, so you can minimize unnecessary mouse movements, screen changes, or the number of windows that display.

** You can not assign F12 as a hotkey for controlling recording, playback, or caption display.

** "Emphasize Font Fidelity," a feature that is supported in ScreenCam 97 for Windows 95 is not supported in ScreenCam for Windows NT.