



Software Release Notes for nordicICE v2.3.12

Revision 3

Date: May 25th 2011

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NOTE: The most current documentation for released products is available on <http://www.nordicimaginglab.com>. The online documentation may contain updated information on modifications made and issues reported after this document was issued.

Introduction

These release notes describe the bug-fixes and enhancements included in nordicICE, software version v2.3.12 released on May 5th 2011.

Overview

This update resolves 6 issues (bug) and implements 2 enhancements as outlined in the following sections. None of the changes have been evaluated to have any impact on the safety of the application.

Who should update?

In general we recommend all nordicICE users to update their installations regularly to ensure that they have access to the latest bugfixes and enhancements. The decision to apply a given update should be based on the nature of the resolved issues and their relevance/impact on the workflow and functionality utilized by the user. It is especially recommended that you update to nordicICE v2.3.12 if:

- You are doing analyses on Siemens Mosaic data.
- You are using the Perfusion/DCE module on a regular basis.

Resolved Issues

- #382 When de-selecting AIF pixels (using auto-detect AIF) in the AIF display window in the DCE module, and only one pixel (entry) was deselected, the deselection was not registered and had no effect on the AIF.
- #383 When de-selecting AIF pixels (using auto-detect AIF) in the AIF display window in the perfusion module, and only one pixel (entry) was deselected, the deselection was not registered and had no effect on the AIF.
- #395 nICE did not check for the existence of the database when trying to save a coregistration result to the database, something that resulted in an error. This is now fixed.
- #396 Image series that were derived from series with 16 bits stored, 12 bits allocated and high bit 11 also had these same settings for bit use when the numbers should be 16, 16 and 15. This resulted in some DICOM nodes rejecting these series.
- #397 Derived images from DCE analysis or images resulting from an arithmetic operation could not be saved to the database, only as RGB. This is now possible.
- #398 At some video devices nICE sometimes warned that a palette based screen setting was used even though it used true color. This has been fixed.

Enhancements

- #391 Loading of Siemens Mosaic images with reversed slice order has been blocked in version 2.3.11 due to insufficient understanding of the meaning of the relevant tag in the DICOM header. The interpretation of this tag has now been clarified with Siemens, and reading of this type of images is again possible.
- #393 A version of nICE now exists that can be started from Myrian workstation.

Supplementary Notes

The software is installed by running the installer **nordicICE_23_Setup.exe** available on request. nordicICE is compatible with any existing nordic DICOM database already present on the system.

Contact

For questions or problems please contact support:

support@nordicimaginglab.com

Known issues and limitations

Installation Certain files may be blocked by anti-virus program during the installation procedure. As a consequence you will get the following error message

when launching nordicICE:

```
nordicICE license error (HASP_FEATURE_NOT_FOUND) -  
...
```

This problem has been reported by users using the AVG antivirus program.

Workaround: Add the following directory to the 'Exceptions' (list of directories that should not be scanned by the antivirus program):

C:\Program Files\Common Files\Aladdin Shared\HASP

Then perform an uninstall/install of nordicICE.

BOLD Module (#211)	When changing the underlay volume in the MPR by drag and drop from the data-panel, the activation maps cannot be thresholded anymore using the slider on the BOLD interaction panel.
Basis Module (#229)	When applying a ROI mask to an image and saving it, the image is saved without the mask applied.
Basis Module (#205)	Gaussian smooth on derived datasets only smooth the first image.
DCE Module (#355)	Single slice series causes access violation
Basis Module (#384)	Default image path in general options is not remembered from session to session.
Coreg Module (#400)	If a dataset A is coregistered to dataset B, and the user then loads A and selects to coregister it to C, the coregistration performed to B is applied to the visualized data in the coregistration, but not applied to the coregistration values displayed or saved in the header, causing the saved coregistration to be different from the displayed one. Workaround: Alternative 1: Coregister dataset C to A instead of B to C. This way they will both be coregistered to A and thereby also be internally coregistered. Alternative 2: Perform a coregistration of B to C with all rotation/translation being 0. Save and reload B and then redo coregistration -> save your results.

System requirements

nordicICE must be run on a computer that meets the following minimum requirements:

Minimum requirements

- Pentium 1.6 GHz processor (or equivalent)
- 512 MB RAM
- 60 MB of free space on hard disk
- Video adapter and monitor with 1024x768 or higher resolution¹
- Windows XP, Vista or Windows 7. nordicICE is a 32 bit application, but runs on both 32 and 64 bit OS.

These minimum requirements mean that you will be able to run nordicICE without any problems or significant loss of performance. Please note however that when choosing computer hardware, the most substantial performance gains result when RAM is increased. To prevent poor software performance and to get the most out of nordicICE we therefore recommend that the computer meets the following specifications:

Recommended requirements

- Pentium 2.4 GHz dual core processor (or equivalent)
- 4 GB RAM
- 60 MB of free space on hard disk + 40 GB additional space for images (hard drive space should be added as image storage requirements increase).
- 256 MB nVIDIA Video adapter and monitor with 1680x1050 or higher resolution
- Windows XP SP3 or Windows 7. nordicICE is a 32 bit application, but runs on both 32 and 64 bit OS.

¹ OpenGL required for 3D visualization of fiberTracking, 128 MB nVIDIA