



Release Notes for HCA-Vision Neurite Analysis Module V1.2

Introduction

These release notes describe system requirements, installation instructions, and known issues for HCA-Vision Neurite Analysis Module V1.2.

These release notes are updated each time when we have major releases, so please check back for new information.

System Requirements

Software Requirements

- Windows XP Professional with Service Pack 2 or Windows 2003
- Microsoft .Net Framework 2.0. HCA-Vision setup will automatically detect the availability of the .Net framework 2.0 and will install it automatically if it is not present on your machine.

Hardware Requirements

- PC with 1 GHz or faster Intel Pentium processor recommended
 - 512 MB of RAM required; 1 GB or more of RAM recommended
 - 500 MB hard-disk space required; 1 GB or more hard-disk space recommended
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Installation Notes

For detailed Installation Instructions, please see <http://www.hca-vision.com/support>

New Features and Fixes

New Features

- The database for storing batch processing results has been added along with the database management functions such as creating a new database and setting the current database from a list of existing databases.
- Batch processing results can be viewed and queried directly from the HCA-Vision.
- Unit conversion has been added for the conversion from pixels to micrometers, millimetres and centimetres.

- The result images from neuron body detection, neurite detection and neurite analysis can now be overlaid on the the original image, a selected channel of the image, or the reversed image.
- A RGB image can be created using three different images.
- Gaussian blur function has been added to neurite detection procedure.

Fixes

- Batch processing results for neurite analysis are now saved correctly.
 - When linking between tabular results and the original image, the image viewer follows the corresponding neuron whilst maintaining the current zoom level.
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Deprecated Features

Nil.

Outstanding Issues

- Pre-processing module to be added.