

Basic

Intuitive user-friendly interface

The new **MicroSuite™ Basic** package provides you with features to overcome common imaging problems. As with all **MicroSuite™** packages, this software is designed to guarantee your success right from the beginning. **MicroSuite™ Basic** strictly follows standard Windows conventions, immediately making it user-friendly, even if you've had no previous experience with imaging software.



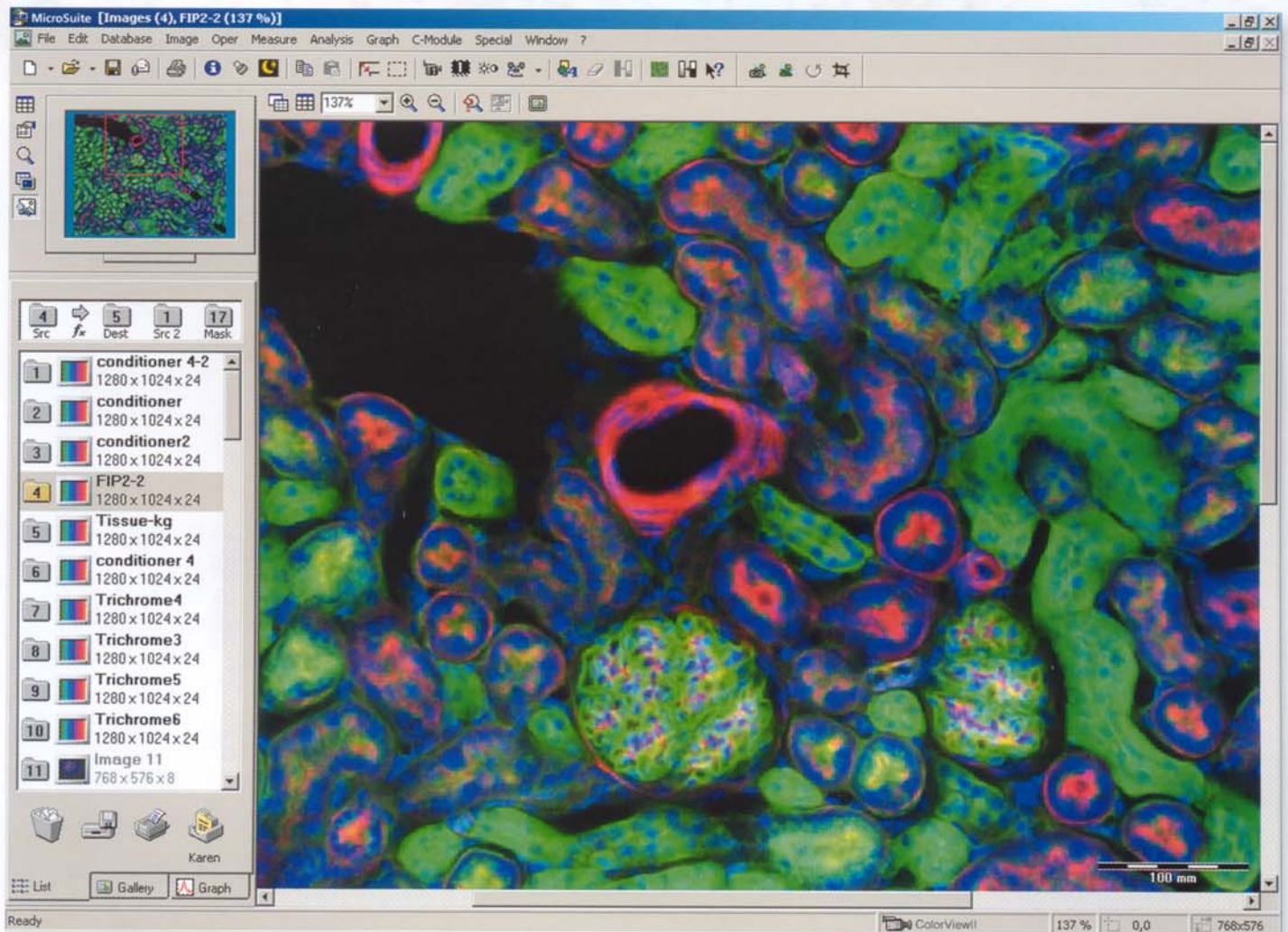
- **MicroSuite™ Basic** offers image acquisition, image processing, interactive measurement, archiving, and report generation.

- Large data arrays are handled through common spreadsheet formats like delimited text, and can additionally be saved as Excel files. Statistical results and diagrams are easily generated and displayed or printed on a single report form along with the original image.

- **MicroSuite™ Basic** also supports report generation in conjunction with the database. Based on templates that you design, you can use images, data sheets, diagrams, histograms, spectra, texts, or database fields to create your reports.



- Image acquisition
- Multiple Image Alignment (MIA)
- Image processing
- Database management
- Report generation
- Documentation
- Movie Creator

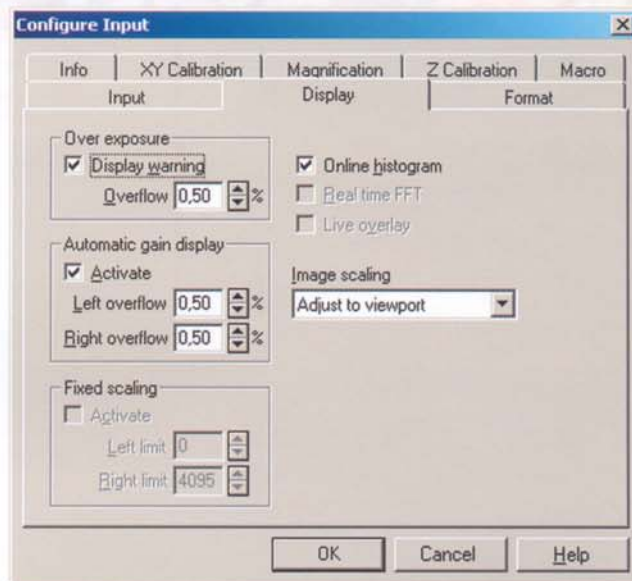


Basic

Image acquisition

All functions are integrated

MicroSuite™ Basic provides for image acquisition from almost any source. Monochrome, color, NTSC and PAL video, digital averaging, digital integration or analog target integration, live image keying, and triggered image acquisition or dispensing of additional TTL signals are fully supported. Microscope, camera, scanner and image buffer parameters are defined as input channels, and then selected via mouseclick. **MicroSuite™ Basic** efficiently controls Soft Imaging System's own digital cameras, the F-View and ColorView, as well as many other cameras.

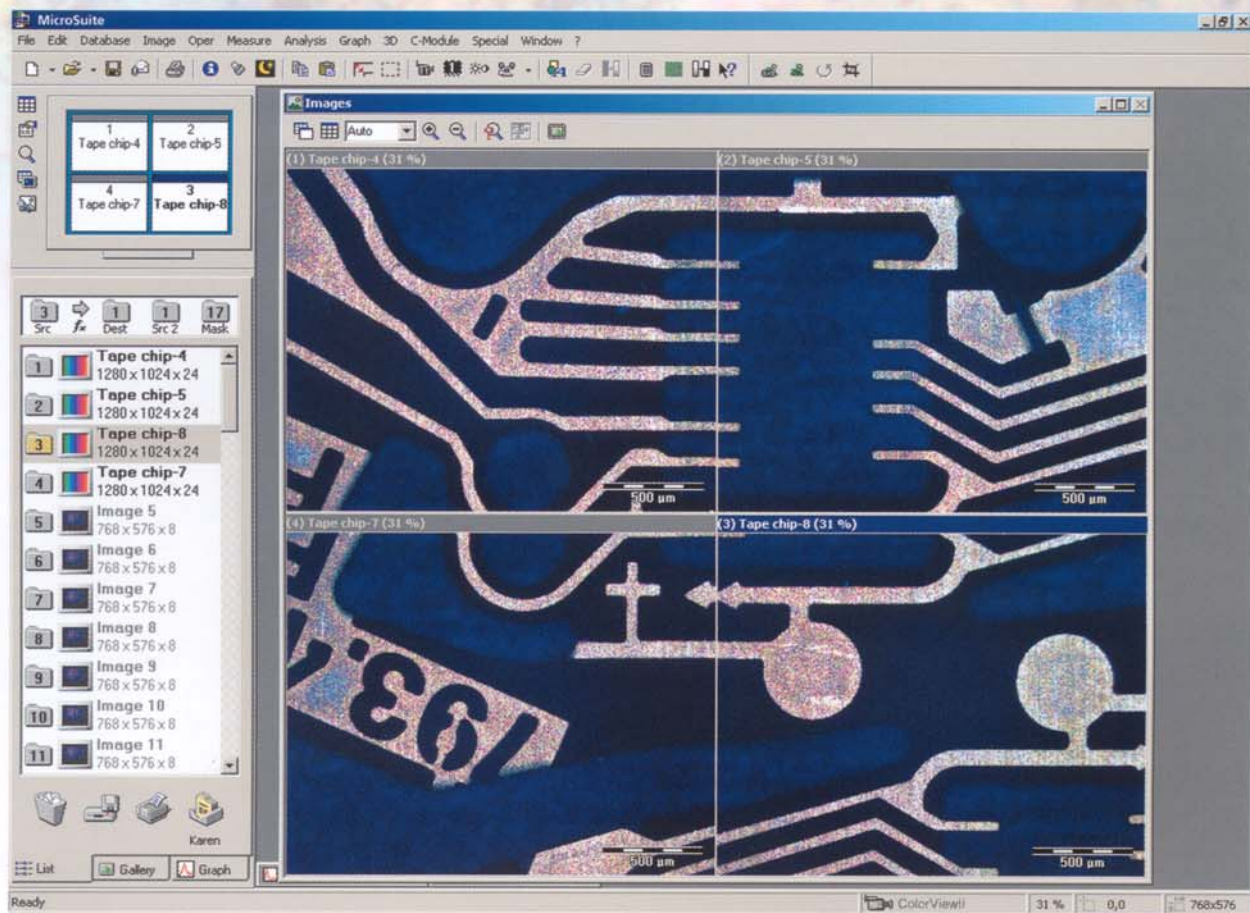


The 'Live-Processing' and 'Live-Overlay' modes offer the ability to actually process images during acquisition, i.e., in real time. The live histogram and overexposure warning help you to utilize the full dynamic range of the camera, without over-saturating your image. Image operations such as correction of camera artifacts, integration and averaging, automatic contrast maximization, and automatic sharpening can all be carried out while in the live mode, resulting in optimal image display.

■ **MicroSuite™ Basic** features user-defined workspaces. Just save your configuration – including all open documents such as data-bases, sheets, diagrams, etc. – by one click of the mouse.

■ The Multiple ViewPort Manager has multiple advantages. Users will appreciate the well-structured user-definable display for each image, and synchronization of multiple images. The





Navigator enables you to navigate within the overview image of the ViewPort Manager and thus view the zoomed image segments in the image document. You can see details at full resolution while still maintaining a point of reference in the overview image.

■ **MicroSuite™ Basic** offers a large collection of import file formats. Virtually any files from your hard disk can be imported, including scanned photomicrographs and digital images transferred via SmartMedia or flash memories. The package includes the option of calibrating your imported images.

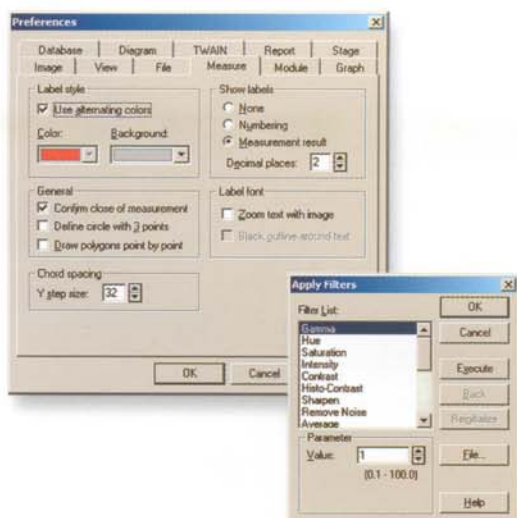


Basic

Image processing

Efficiency in its purest form

Of course, **MicroSuite™ Basic** has all of the standard image processing functions for true color and monochrome image processing. In addition, there is a large array of tools and filters that open up unprecedented image processing horizons. The newly-integrated RGB Studio is of special interest, offering sequential processing, and adjustment of gamma, intensity, color curves, and much more. Among the many filter options is the Differential Contrast Enhancement (DCE) filter for superb contrast optimization.

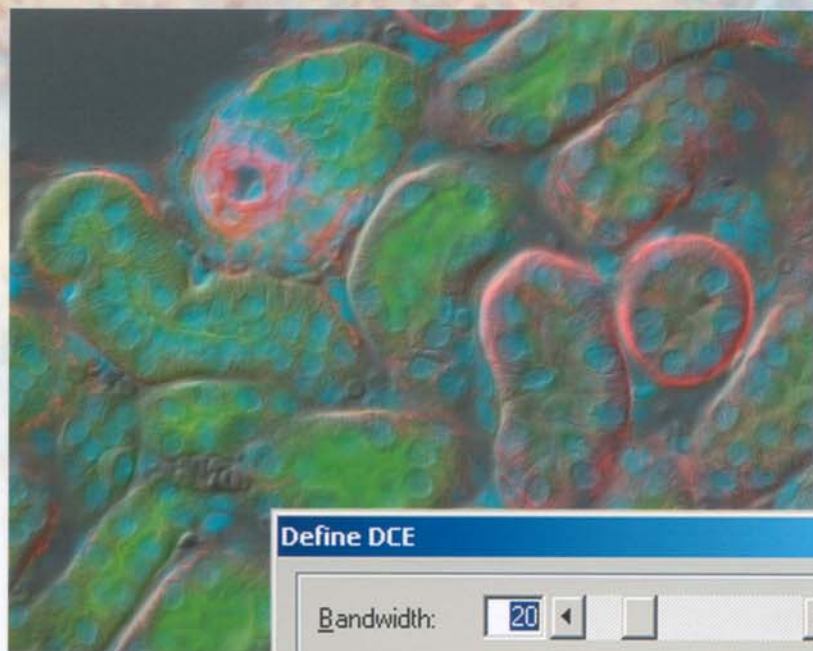


■ Tools for interactive measurements are integrated within the **MicroSuite™ Basic** package. All data are automatically displayed in tables, and can be immediately converted into diagrams or histograms. The data can be statistically evaluated within the program, or saved in Excel format for more sophisticated analysis.

■ Images can be labeled with text, in a variety of styles, fonts, and colors, and arrows and lines can be added to the images. Regions of interest can be highlighted by different colors or shapes.

■ For uniformity and simplicity, preferences can be saved and loaded for subsequent images.





Define DCE [X]

Bandwidth: [Left Arrow] [Right Arrow]

Enhancement: [Left Arrow] [Right Arrow]

☐ Quality ☐ Ramp optimize

☐ Overflow %

Preview ☐ Preview

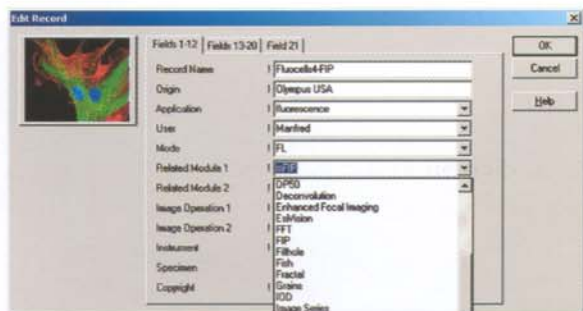


Basic

Image archiving

Don't seek - find

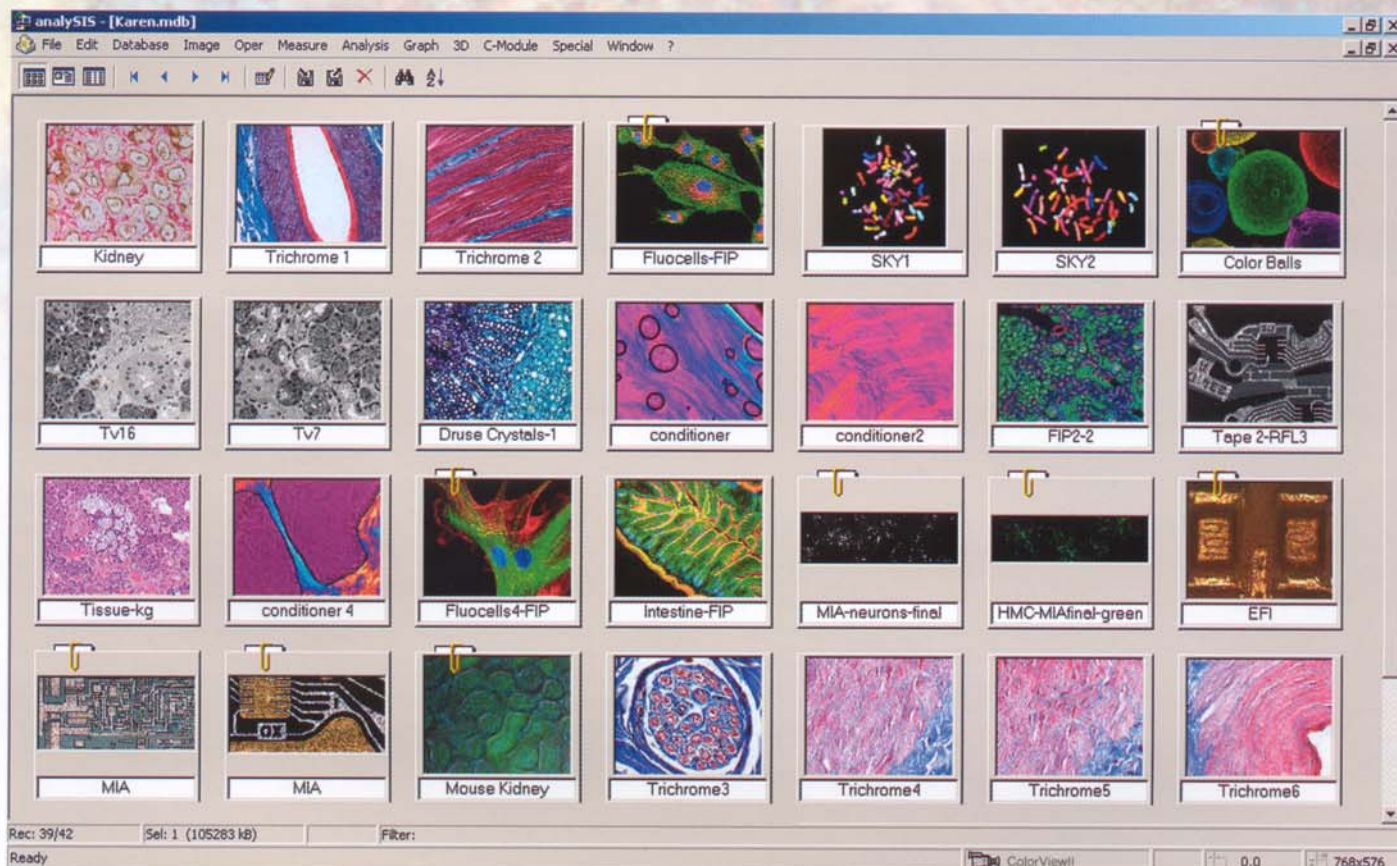
A powerful, fully networkable database is tightly integrated within the **MicroSuite™ Basic** software; it allows users the ability to archive images and related data without the need for programming skills.



■ All data collected during image acquisition is automatically saved with the image and can be expanded at any time. Images can be stored with associated text, tables and other graphics as database records, thereby documenting tasks and processing steps. All documents can be reloaded with the image at the click of a button.

■ The entire structure of the Microsoft™ Access-compatible database can be defined according to the user's needs – by the user. Define your own user fields, such as image name, date, user, etc. These fields will be saved along with the images upon insertion into the database and can be used as search criteria in subsequent queries.





Database input prompts can be set to force inputs and/or request editable data, offer selections from picklists, or a combination of both. Users can select prompting for every image or only for the first image of a series. This relieves the user of the tedious task of re-entering redundant data for image sets belonging to a single project.

Input, display and query masks may be defined independently. Multi-tabbed dialogs provide maximum information with minimal GUI cluttering. Preferred queries can be stored and loaded for a quick application.

And finally, via macro programming, all routine tasks can be automated in the **MicroSuite™ Basic** package, from image acquisition to database archiving.

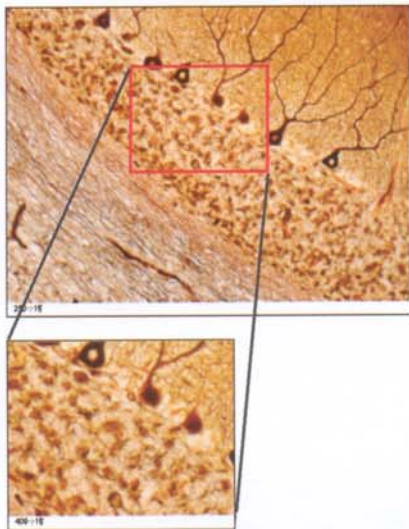


Basic

Reporting

Automatic report generation

Drag & Drop Reporting: Image archiving in tandem with report generation. Fast, convenient and efficient! Report Generator handles your documentation needs like no other image processing program.



■ Automatic report generation

Produce multi-page reports quickly and efficiently. Select multiple images from an image database and add all of them to a report using a single command.

■ Full database integration

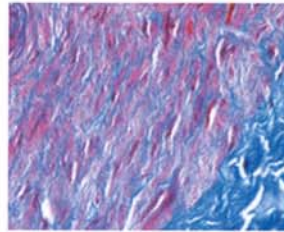
Along with the images themselves, you can automatically include the information from database fields in a report.

■ Optimization of images

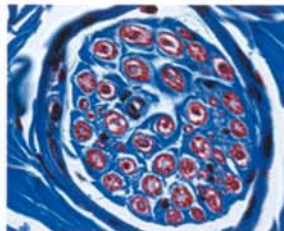
Work with images in an optimal way, with automatic scaling, detailed zooms, etc.



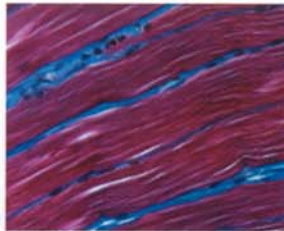
OLYMPUS



Record Name:	Trichrome4
Magnification:	60x
User Name:	SW
Instrument:	BX61
Sensor:	CV12
Creation Date:	28.07.2001



Record Name:	Trichrome3
Magnification:	60x
User Name:	KWG
Instrument:	BX61
Sensor:	CV12
Creation Date:	28.07.2001



Record Name:	Trichrome2
Magnification:	60x
User Name:	KWG
Instrument:	BX61
Sensor:	CV12
Creation Date:	28.07.2001

■ Texts, sheets, diagrams, spectra

All documents generated within **MicroSuite™ Basic** can be inserted into a **MicroSuite™** report. With the Report Generator, you can print out images, related measurement sheets, and diagrams on the same page.

■ Flexible page layouts

Report provides you with the utmost flexibility in page layout and design: you set up your own templates exactly the way you want them to be. You generate your templates only once. These templates are the basis for your reports and ensure that the appearance of your documents is uniform.

■ Microsoft™ Word-compatible

Via the RTF Export function, you can export your reports to Microsoft™ Word, where they can be further edited. This enables you to communicate with colleagues who may not have access to **MicroSuite™ Basic**.



OLYMPUS[®]

MicroSuite[™]

Software for Imaging Applications

The perfect blend of high quality microscopes from Olympus and superb imaging software from Soft Imaging System, tailored to fit the needs of today's microscopists. Powered by the best of two worlds, Olympus and Soft Imaging System give you a leading edge in your work.

Specifications

The MicroSuite[™] Basic package includes the following:

- Support for multiple cameras
- Import of all common image formats
- Calibration of data files
- Annotations and overlays
- Multiple ViewPort
- Movie Creator
- Navigator
- Multiple Image Alignment (MIA)
- Image filtering
- Interactive measurement functions
- Microsoft[™] Access-based integrated image database
- Report Generator
- Workspace
- Macro recorder
- E-mail support

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