

# WiselImage® 11

For Windows

Where CAD meets image  
processing

Ultimate image and vector  
processing tools

Automatic R2V and V2R  
conversion

Look and feel of 2D CAD  
application

Open Architecture with COM  
interface

Direct Scanner Support

Batch Processing

Microsoft Vista Compatibility

## What is WiselImage 11 for Windows?

WiselImage® 11 for Windows is a standalone raster-vector application that includes the real integration of CAD and image processing. WiselImage® allows users to edit, update and convert (both semi automatically and automatically) to vectors scanned maps, drawings, sketches, and other graphics. WiselImage® 11 for Windows has a powerful raster-vector editor (raster images overlaid with vector elements) and raster to vector converter with an incredible set of post processing tools and the ability to develop custom ones in scripting host. This software allows the user to set up profiles for WiselImage® settings that can be switched and shared among users. Multiple raster images can be loaded and the number of raster images handled simultaneously is unlimited. The native CAD-style interface with enhanced document features, vectorization, vector editing, and raster editing makes WiselImage® 11 the perfect tool for a wide range of applications including GIS, cadastral, aerial, satellite image processing, architecture, engineering and schematics.

## What's New in WiselImage 11?

Improved DWG-format compatibility

- Import AutoCAD 2007/2008 drawings and DXF
- Workspace includes Drawing Layout and Viewports as in AutoCAD
- Extended line styles and hatch type support
- Dimension style support, new dimension objects (large radical and arc dimensions)
- Proxy and complex entities processing

## Coordinate System

- User Coordinate System AutoCAD-style support (UCS icon, UCS commands)
- New Angular units in coordinate settings

## AutoCAD Style Editing

- Construction objects (ray, line) and primitive object (polygon) were added
- AutoCAD style object grips and dragging
- Node selection mode for polylines
- Object tracking snap mode on vectors (similar to AutoCAD) extending also onto raster objects

## External Application and Custom Objects Support

- COM and DDE interface
- Languages including C++, Java and Scripts can be used for WiselImage add-ins

## Increased Speed and Productivity

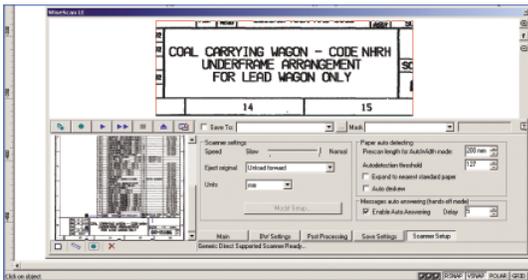
- Updated CWS format, more compact and robust
- Autosave and Recover
- Print Setup dialog redesigned for enhanced usability
- Individual clip for multiple raster insertion

**CSoft**  
Consistent Software

Distributed by Contex Americas, Inc.,  
(formerly IDEAL Scanner Division)

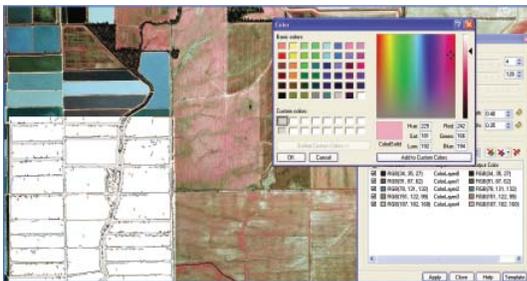
### From Scanner to CAD

Large format scanners produce high-quality black and white, grayscale, and color raster images. Wiselimage software allows users to effectively transfer scanned drawings to CAD. Wiselimage has a high-end scanning module called WiseScan with native support for the IDEAL/Contex scanners and most wide-format scanners. WiseScan controls the scanning and automatic clean-up after scanning to optimize the raster image quality. It combines premium tools to process scanned drawings, satellite imagery, or other raster graphics for seamless and efficient CAD integration. Image cleanup, correction, calibration, bit-depth reduction and raster-to-vector with Wiselimage eliminates repetitive and time-consuming manual procedures.



### High Precision and Color Reduction

Exact calibration is essential when processing scanned drawing. Wiselimage offers multiple options for selecting the most suitable method of importing coordinate values or assigning point positions manually. Transformation algorithms provide high-precision results. Wiselimage's color reduction tools allow colored areas to be combined according to color similarities or by referring to their distribution frequencies without any loss of information. Using the information from colors, Wiselimage can identify uniformly colored or pattern-filled areas that can be separated to different "layers" and processed individually.



### Working with Color and Grayscale Images

The new calibration feature in Wiselimage allows users to crop color and grayscale raster images, change resolution and scale, deskew images, and eliminate linear and non-linear deformations. With Wiselimage users can change brightness, contrast, hue, saturation and adjust the color gamut, improve image quality and apply a set up color filters (Blur, Unsharp Mask, Median, and Gamma Correction). Users can easily manage the colors of the image and create/edit LUT files using the Color Classifier. It is easy to draw on these images and create raster objects by rasterizing vector objects to color raster and merge monochrome and color raster images.

### Operation with Raster Objects and Texts

Wiselimage offers several advanced options for working with raster and vector data. One advance option called, WiseObject, allows the user to select or separate raster objects into other layers. Wiselimage has a built-in OCR feature that recognizes characters and numerals within a text block that is going to be modified. In addition, Wiselimage supports external OCR modules.

### Tracing Capabilities

Wiselimage has advanced tracing capabilities (semi-automatic, interactive raster to vector conversion) for color, grayscale or monochrome images. In addition to simple graphic object tracing in Wiselimage, it is possible to trace raster shapes that correspond to vector templates. The user selects a raster shape and Wiselimage will match it to the appropriate vector object from the default Symbol Library or a customized library can be created to match user requirements. The polyline tracing feature has auto-detection of tracing direction.

### "Pro" Means Professional

**Automatic Raster-to-Vector Conversion** -The advanced version of Wiselimage is Wiselimage Pro. It features the conversion of scanned drawings to CAD files one by one or in batch mode. Conversion allows precise tuning to achieve the most accurate vector representation of the source files with on-the-fly preview of conversion results. The original or custom line styles, widths, text height, and hatch styles are preserved. The result of the vectorization consists of lines, arcs, circles, text, and shapes (blocks).



**Vector Enhancement Tools** - Wiselimage Pro has a comprehensive set of tuning tools for the auto-correction of vectors obtained after raster-to-vector conversion. These include specialized functions for editing vectors, such as merging a group of vectors to the object of a given type (e.g. some segments to an arc or circle), cropping, extension, etc.

**Open Architecture** - Wiselimage Pro provides a revolutionary breakthrough in the ability to use the Wiselimage open architecture and ActiveX technology in automation and scripting tools. The Java script and VB script editor open new horizons for advanced users. Custom scripts and procedures can be freely created and modified. In addition, the visual HTML-form editor has been added for convenience.

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