WiseImage

for Windows

CSoft

What is WiseImage?

WiseImage is a new generation of 2D standalone application for raster editing, raster-to-vector conversion and drawing revision. WiseImage enables you to make quick changes, editing, correction or automatic and semi-automatic raster-to-vector conversion of technical drawings, scanned maps, plans, drafts, sketches and other graphics.

- ✓ The Ultimate Raster and vector Processing tool
- ✓ Automatic R2V and V2R conversion in Pro Version
- ✓ Look and feel of a 2D CAD application
- ✓ AutoCAD 2021 DWG Support
- ✓ Enhanced User Interface
- ✓ New icons for the tools in the program
- ✓ Inbuilt OCR for text Conversation
- ✓ Intelligent raster selection and editing
- ✓ Open Architecture with COM interface
- ✓ Batch processing
- ✓ New advanced PDF engine
- ✓ Print Images
- ✓ Custom utility tool
- ✓ 3D Mouse support

WiseImage blends raster and vector, CAD functionality and image processing capabilities perfectly - everything in a single cost-effective application.

WiseImage provides the most advanced solution for raster, vector and raster-to-vector conversion on the market. With the powerful suite of tools, WiseImage can edit scanned drawings and maps easily. WiseImage allows you to save time redrafting and boost your productivity.

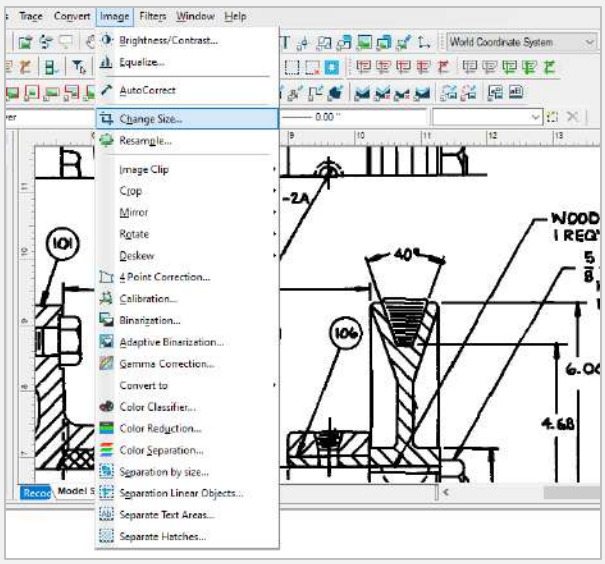
WiseImage features

Native CAD style interface with command line and layouts with viewports, combined with high-end image processing, results in a strong synergetic effect! WiseImage works with latest DWG files exactly as a CAD application and processes raster files as the best image processing application.

It looks like CAD as its Workspaces include Drawing Layouts and Viewports. Dimension and Line Styles, Hatch types and User Coordinate Systems, everything is very common to CAD user.

WiseImage has a set of premium raster tools to process scanned drawings, satellite imagery, or other raster graphics.

The crossroad of raster and vector graphics the capability of WiseImage to work with raster and vectors together as if a single vector drawing.



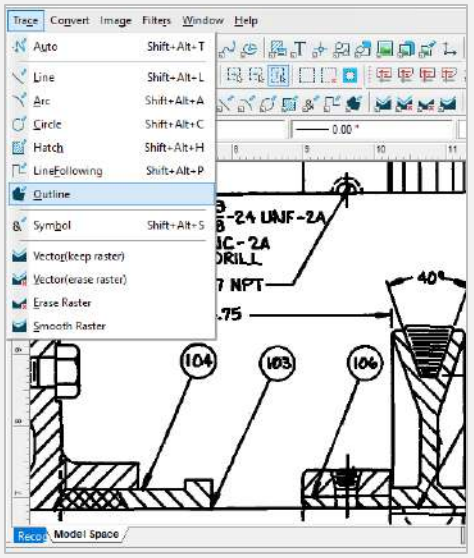
High quality image processing with precision

Exact calibration is essential when processing scanned drawings. WiseImage offers multiple options for selecting the most suitable method, importing coordinate values or assigning point positions manually. High quality transformation algorithms provide very accurate results. Full colour images are huge so it is vital to minimize image file sizes. WiseImage can do this without any loss of information. Coloured areas can be combined according to colour similarities or by referring to their distribution frequencies.

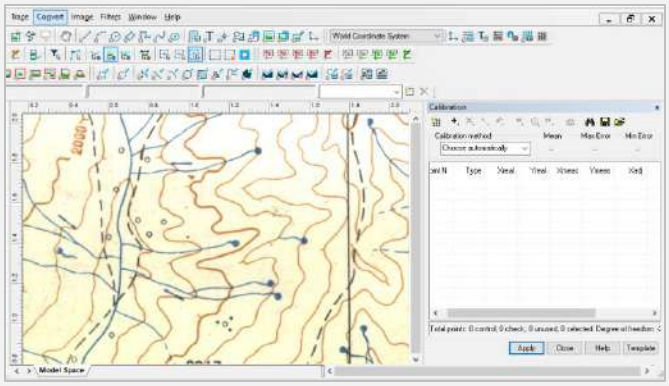
With the help of this technology the number of colours in an image can be reduced from millions to tens. In WiseImage it is possible to crop, change resolution, scale, deskew, and calibrate colour and grey scale raster images. It is possible to change brightness, contrast, hue and saturation and adjust the colour gamut, improve image quality and apply colour filters. Users can easily manage the colours of the image and create/edit LUT files. It is easy to edit, construct or add information onto these images, even rasterizing vectors to generate raster file as often required for compliance purposes. Merging monochrome and colour images is also a one-click task.

Intelligent raster objects and tracing

WiseImage offers several advanced options for working with raster and vector data. One is the unique technology to select raster objects or separate them into layers. This feature is based on the intelligent selections and the smart Wise Object (text, hatches, and lines) selection. WiseImage has an advanced tracing function (semi-automatic – interactive raster to vector conversion) for colour, greyscale or monochrome images. In addition to easy detailed objects tracing in WiseImage, it is possible to trace raster shapes that correspond with vector templates.



Select a raster shape and WiseImage will automatically match it to the appropriate vector object from a default Symbol Library or a customized library created to match user requirements. The polyline tracing feature includes auto detection of tracing direction.



WiseImage for CAD and GIS users

WiseImage is fully featured with all typical 2D-CAD tools. It has an advanced Viewports, Layouts and Layers support. Its vector drawing and editing capabilities are comparable to any industry-standard 2D CAD package. Vector objects (Text, Dimensions) have associated Styles similar to AutoCAD.

WiseImage can read and write most popular CAD and GIS formats. The data exchange capability of WiseImage makes for a smooth transition from a CAD to GIS-data digitizing application to WiseImage.

Pro' means professional

Automatic Raster-to-vector conversion the professional version of WiseImage is WiseImage Pro. It features automatic conversion of scanned drawings to CAD files, one-by-one or in batch mode – even overnight. Conversion after fine-tuning of the template parameters with the built-in preview allows for very precise results. Templates can be named, saved and recalled as required. The result of vectorization will include vector graphics and text. OCR is provided by the inbuiltOCR Engine

Vector enhancement tools WiseImage Pro has a comprehensive set of tuning tools for the auto-correction of vectors obtained as a result of a raster-to-vector conversion, such as merging a group of vectors to an object of a given type (e.g. some segments to an arc or circle), trimming, extending and more.

Open architecture The COM interface as well as built-in script edit will open new horizons for 3rd-party developers. There is no other CAD software with raster processing and R2V functionality offering an open programming interface.

New advanced PDF engine

Vector PDF import/insert -An additional PDF engine has been added which enhanced the WiseImage. Any PDf files (Source CAD) can be opened and converted to editable CAD format using this additional engine. All text objects will be converted in editable CAD format. The user can choose the multipage or single page PDF.