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Better than Ever, ZWCAD 2012 Drives Your Design

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ZWSOFT

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ZWCAD Reseller

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Company Overview

ZWSOFT (ZWCAD Software Co., Ltd.) is a world-renowned CAD/CAM solutions provider, with over 180,000 clients across 80 countries. With a reputation as a committed and reliable provider of CAD/CAM software to the AEC and MCAD industries, ZWSOFT has created design software products that have continuously satisfied the needs of 2D and 3D drafters for over a decade. Some of ZWSOFT's major clients include Siemens, Sony Ericsson, Panasonic, Carrefour, and Saint-Gobain.

Better than Ever, ZWCAD 2012 Drives Your Design!

ZWCAD™ is a cost-effective, DWG file format compatible CAD solution which provides innovative, collaborative and customizable features for both the AEC and MCAD industries. The unrivalled compatibility and familiar user interface let users begin working with ZWCAD immediately with little or no training.

ZWCAD 2012 provides the following features:

- 900+ improvements that match your needs.
- Remarkable drafting and detailing tools for visualizing your ideas.
- Flexible management systems for maximizing your design resources.
- Seamless collaboration of designs with others through flexible drawing publishing.

ZWCAD is available in 15 languages including simplified and traditional Chinese, Czech, English, French, German, Italian, Japanese, Hungarian, Korean, Polish, Portuguese, Spanish, Russian, and Turkish.

Product Introduction

ZWCAD Offers Excellent Compatibility and Stability

Full Support for DWG

ZWCAD's drawing files are based on the world-standard .dwg format. This means that you can open, edit, and save .dwg files from any version – without conversion or data loss – all the way back to version 2.5 and right up to today's 2012. In addition, ZWCAD supports related formats, such as .dxf (interchange), .dwt (web), and .dwt (template).

Compatible with Mainstream CAD Platforms

As ZWCAD supports the .dwg format fully, it can share data and files with mainstream CAD platforms that also support .dwg format, in particular AutoCAD®.



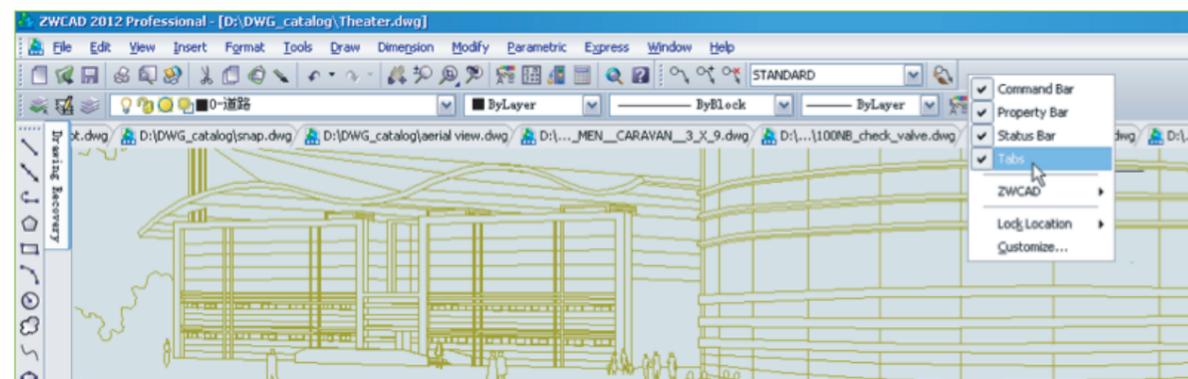
Runs Smoothly on Any Windows OS

ZWCAD has seamless integration with Microsoft® Windows®, and so it runs smoothly on every release of the Windows operating system.

Friendly User Interface

The Windows-style user interface of ZWCAD arranges the menus, toolbars, command line, and dialog boxes in a way that is familiar to Windows users. This lets you begin

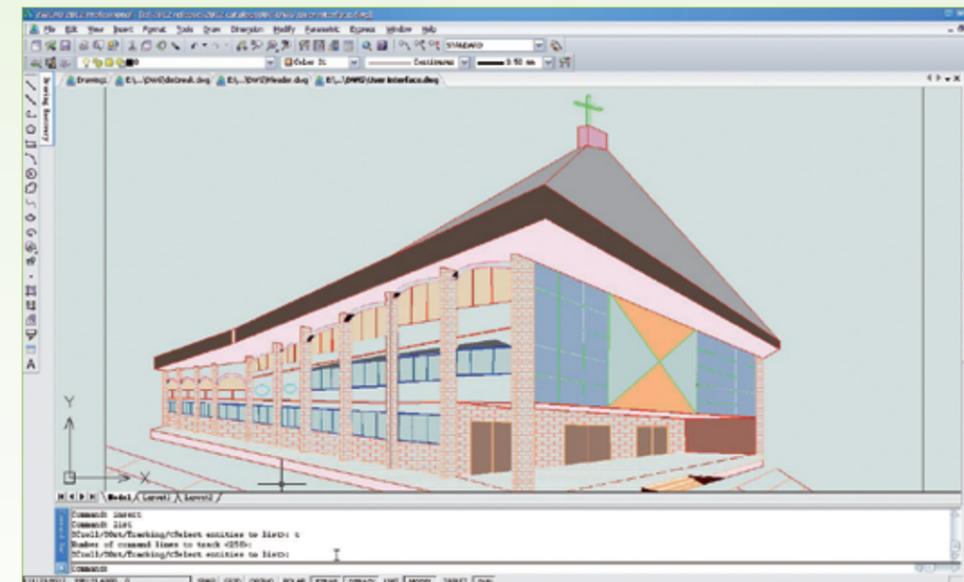
working with ZWCAD right away. A row of tabs, like the one found in Microsoft Office 2007 and later, makes it easy to switch between open drawings.



Tab Environment

More importantly, ZWCAD offers a working environment almost identical to AutoCAD, including similar command names, aliases, and mouse operations. Any AutoCAD user will find ZWCAD's interface to be familiar and comfortable with which to work.

In addition, ZWCAD imports and exports the .mnu, .mns, and .pgp files that define menus, toolbars, and aliases. This means you can transfer your program customizations to ZWCAD.

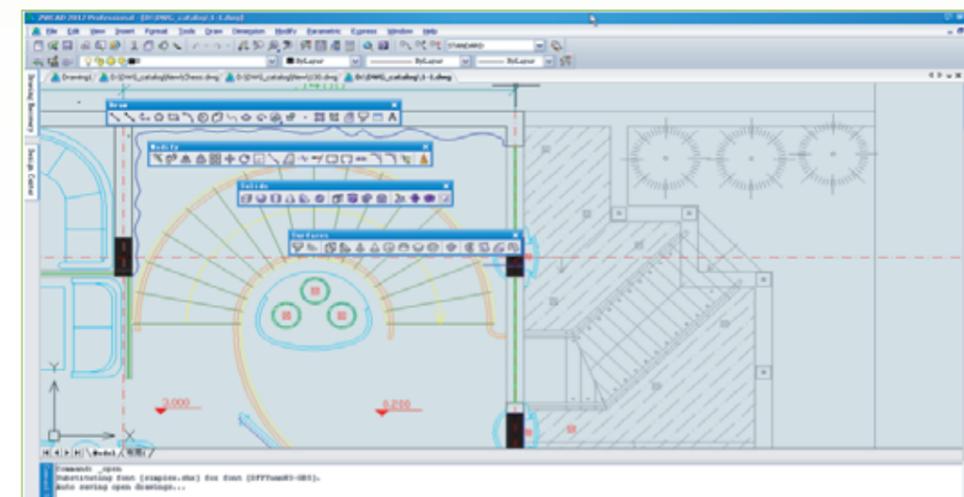


Familiar User Interface

Conceptualize Your Designs Easily

ZWCAD provides a wide number of foundational drafting tools to help you easily conceptualize your ideas as

drawings. Included are 2D and 3D drawing and editing tools for creating and modifying many kinds of objects.

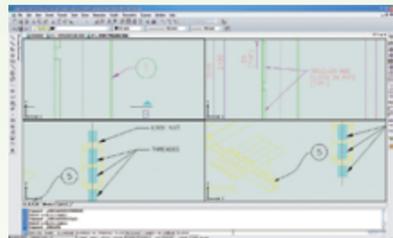


Foundational Drawing and Editing Tools

Draft and Detail Efficiently

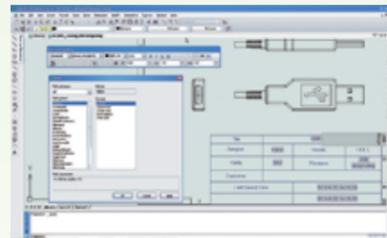
Smart Tools for Quick Drafting

Multi-leaders



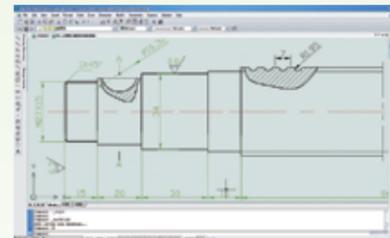
Sometimes you need different types of leaders, or even different kinds of arrowheads for the same callout. With the multi-leader function, you can customize the leader style, and then create more than one leader at a time.

Fields



Sometimes you need to update textual information in drawings. This painstaking task is solved with the field function. It updates information for you automatically.

Breaking Dimension Lines



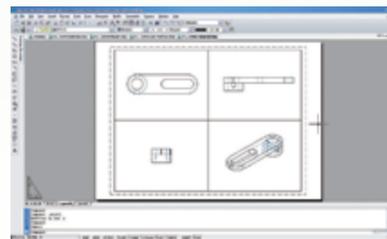
Dimension lines inevitably cross with other objects. To make drawings more clear, the dimension break function breaks dimension lines where they cross other lines – without splitting the lines. This means that broken dimension lines are still easy to adjust.

FCMP



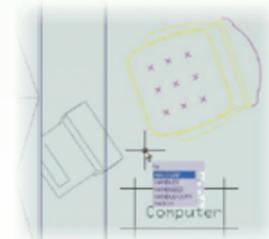
When you need to find differences between two similar-looking drawings, the file compare function helps you do this. It highlights differences by color coding changed objects, blocks, and even external references. You can customize the comparison settings, such as colors and filters.

Solid Profiles



The solid profiles feature creates profiles of 3D solids with ease. You can specify 2D and 3D profiles. Hidden and visible lines are placed onto different layers automatically.

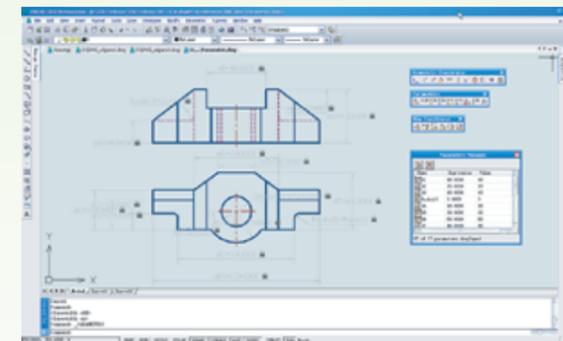
Dynamic Prompt



The dynamic prompt interface displays related command names at the cursor. Both new and experienced users will find the alphabetical list of command names useful, because it reduces the time to remember and input commands.

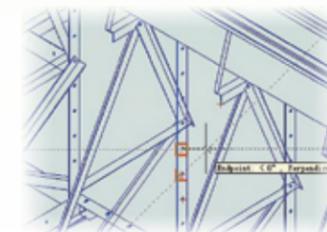
Efficient Tools for Precise Detailing

Parametric and Constraints



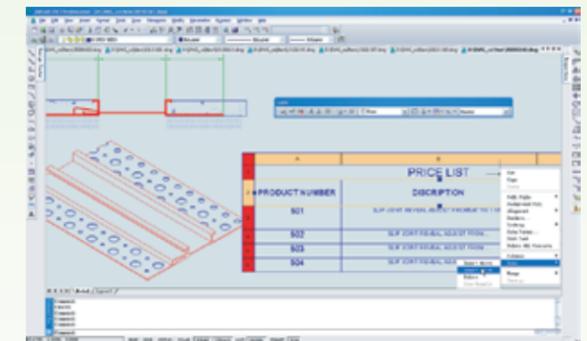
The parametric and constraints functions are powerful tools that enable you to create and modify families of objects in remarkably quick time, as compared with traditional redrawing in CAD. When you make a modification to a family of parametric objects, the action affects and drives the related objects by changing them together. Parametric and constraints ensure the objects always maintain their shape and/or measurements.

Object Snap



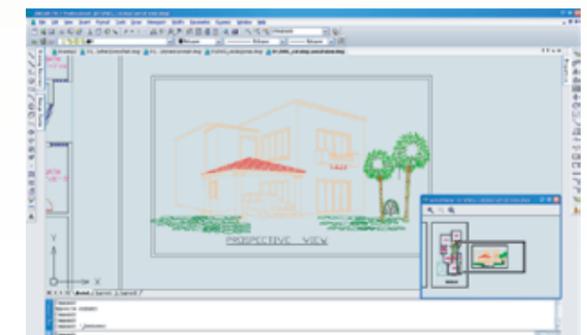
The object snap function helps you draw and edit to geometric features accurately. In ZWCAD 2012, the speed and accuracy of object snaps are improved greatly, especially for large drawings.

Table



The table feature lets you easily create neat and beautiful tables just in a single step; there is no need to draw cells from lines to form tables manually. In-place editing allows you to edit the contents of table cells, just as if you were working in Microsoft Excel. In addition, tables can export and import data files to and from Excel spreadsheets.

Aerial View



Pan and zoom large drawings quickly with the handy aerial view window, which displays the entire drawing all the time, thereby helping you locate any zoomed-in location immediately.

Sharing Resources for Improving Productivity

Blocks

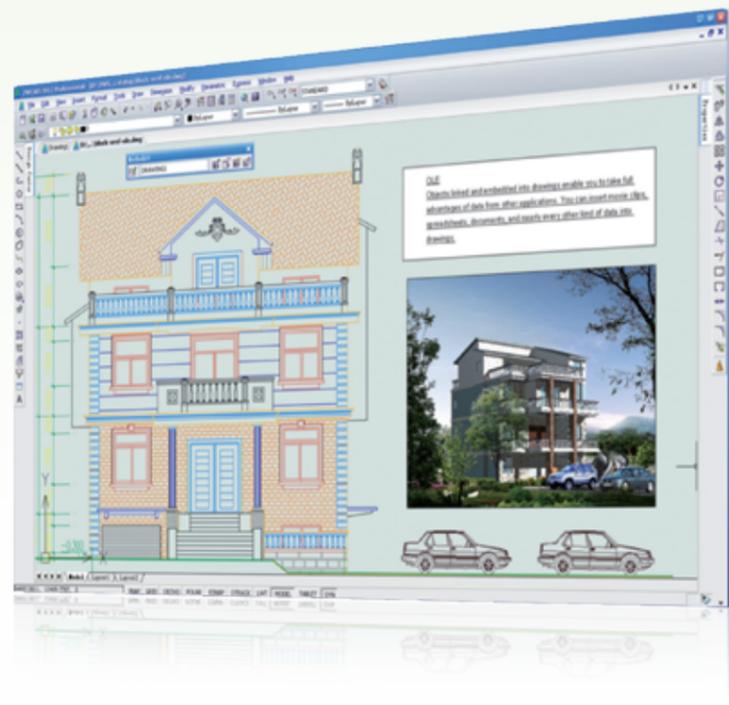
The block function turns multiple objects into one, allowing you to standardize drawing components. This means that you can reuse them in other drawings.

In addition, data can be embedded in blocks. Known as attributes, the data can consist of any kind of textual information, such as inventory numbers, prices, and multi-line detailed descriptions.

External References

The external references function provides a more efficient way of sharing and reusing drawings. You can insert entire .dwg files into drawings; these are known as "external references" or "xrefs" for short.

The child xref can be inserted into multiple host drawings, and then be synchronized any time the xref changes. Inserting xrefs does not increase the size of the host drawing by very much.



Raster Images

Attaching raster images to your drawings better shows off your designs, ZWCAD supports numerous image formats, including BMP, TIF, GIF, JPG, PNG, PCX, and TGA. New in ZWCAD 2012 is support for ECW, a format used in mapping.

OLE (Object Linking and Embedding)

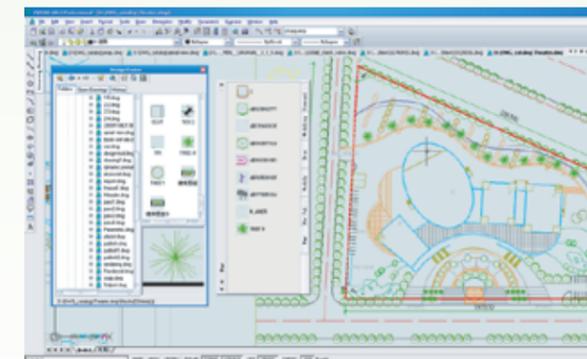
Linking and embedding objects into drawings enables you to take full advantage of placing data from other applications. You can insert movie clips, spreadsheets, documents, and just about any other kind of data into drawings.

Management Data for Convenient Manipulation

Design Center

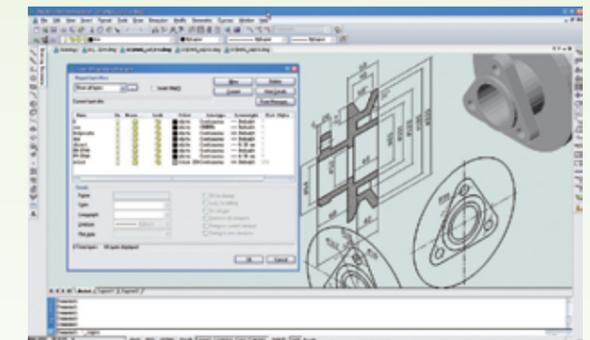
The Design Center function allows you to search and access any CAD resource stored on your computer – even on other computers on the local network. It helps you to insert content into the current drawing, such as dimension styles, blocks, text styles, line types, and even layers from other drawings.

Tool Palettes

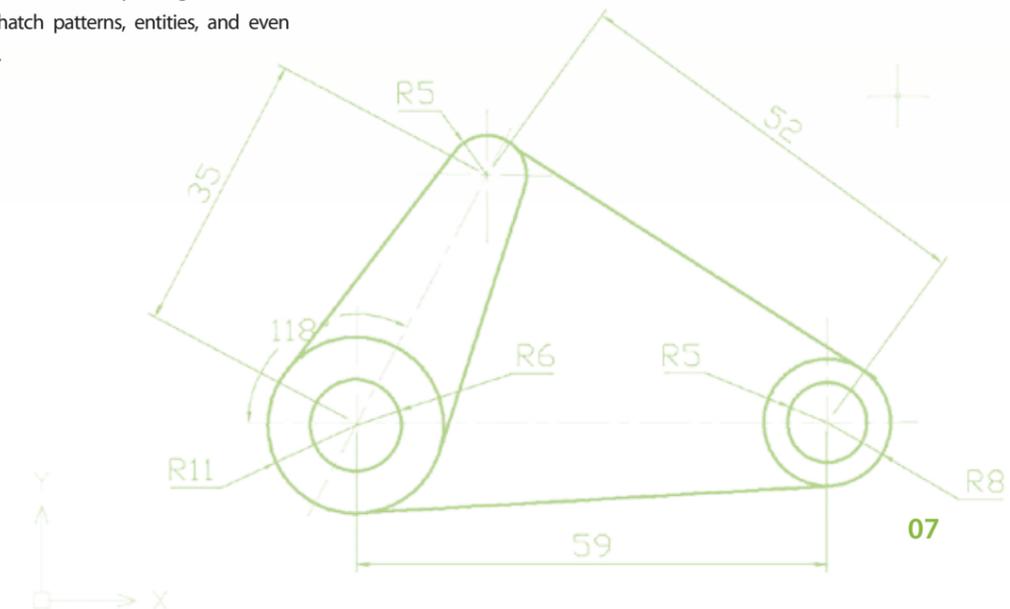


The Tool Palettes function provides an efficient way to organize, share, and store "tools," such as blocks, hatch patterns, entities, and even content from third-party developers.

Managing Layers



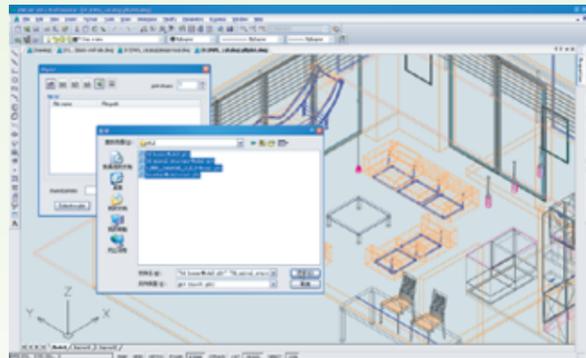
Layers are used to standardize the content of drawings. By changing the properties of layers with the Layer Properties Manager, you effortlessly control how objects are displayed and plotted. Layers simplify the visual complexity of drawings, thereby clarifying the structure.



Additional Ways of Communicating Drawings

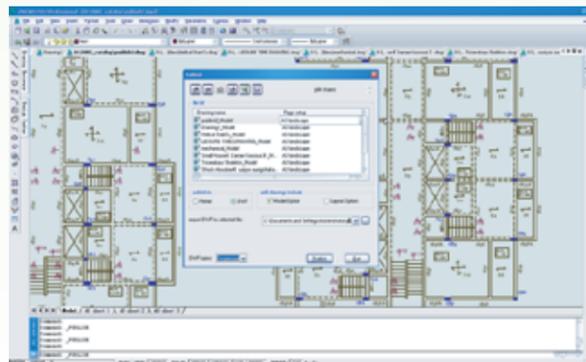
Plotting and Batch Plotting

You can plot drawings to files or to paper. Multiple options are available to fine-tune the result, such as specifying the paper size, setting the plot scale, selecting a plot style, or adding plot stamps. In addition, you can plot an entire list of .plt files in a single session using the batch plot facility. This greatly saves time, especially when you reuse the .plt files another time.



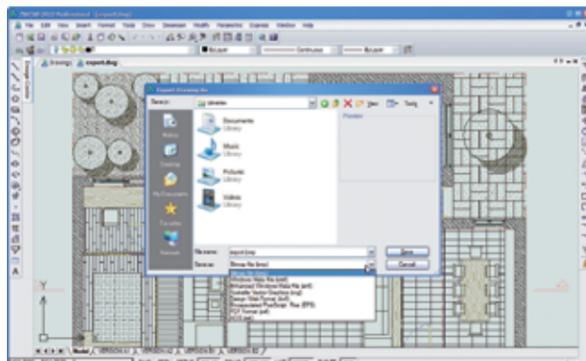
Publishing Drawing Sets

The publish function outputs one or more drawings to DWF format or to plotters. If necessary, each drawing can be plotted on a different sheet, through the use of page setups. You specify "sheet sets," and then choose to publish one or many sheets. DWF is a safe and quick way to share your drawings with others.



Exporting Drawings

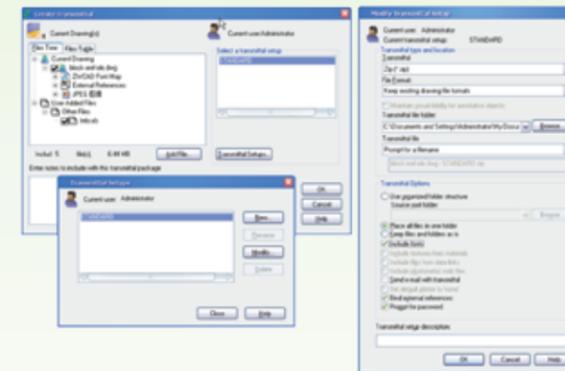
The export function helps you communicate drawing information with other applications. Drawings can be exported to formats that include BMP, WMF, EMF, SVG, EPS, PDF, and SAT. It is very useful in that you can combine drawings with files from other applications, such as Word, Excel, and Photoshop.



Additional Ways of Communicating Drawings

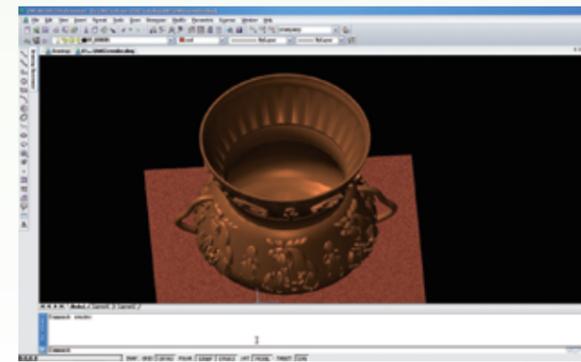
eTransmit

The eTransmit function is designed to easily share drawings by email. With a click, it collects the drawing and all associated files into a single package. The package includes the images, fonts, and external references used by the drawing. It is a convenient way for communicating with others, or just moving your drawings to another computer.



Rendering

Realistic renderings of 3D models produce more convincing presentations to clients than do 2D drawings. ZWCAD provides a rich variety of materials, multiple light types, and environmental settings to generate renderings. It is a good way to show off your design vision, and to verify it with others.



Programming on ZWCAD

ZWCAD provides several convenient and powerful application programming interfaces (APIs) at no extra charge. These include LISP (similar to AutoLISP), VBA (available in Professional edition only), SDS (similar to ADS), and ZRX (ZWCAD Runtime Extension, which is similar to ARX). With these APIs, you can develop vertical applications and migrate existing applications to ZWCAD. They let you customize ZWCAD to your specific needs, while at the same time accelerating your design processes.

What's New in ZWCAD 2012

Greater Flexibility for Text

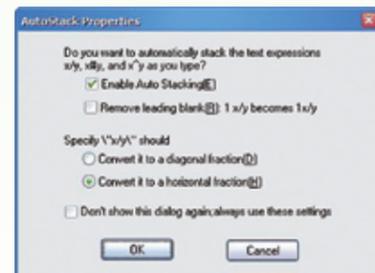
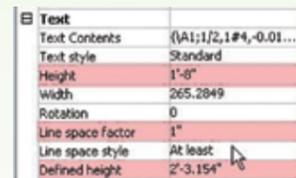
Automatic Fraction Stacking

ZWCAD 2012 allows you to stack fractions in mtext. In addition, you can define the stack style.



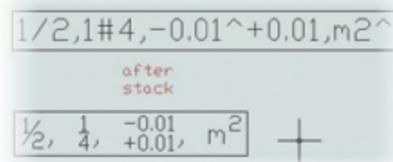
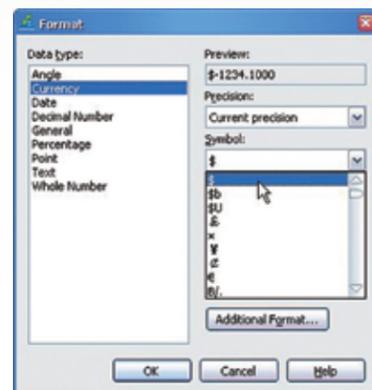
More Formats for Text Heights

More text height formats are acceptable in text style definition, such as architectural, engineering, and scientific.



Larger Selection of Currency Symbols for Tables

A variety of currency symbols are now available for tables. Choose custom table cell format, and then choose the currency symbol you need.



Vietnamese is Supported

You can now input Vietnamese in ZWCAD 2012 to create text and mtext.

Quick Block Insert

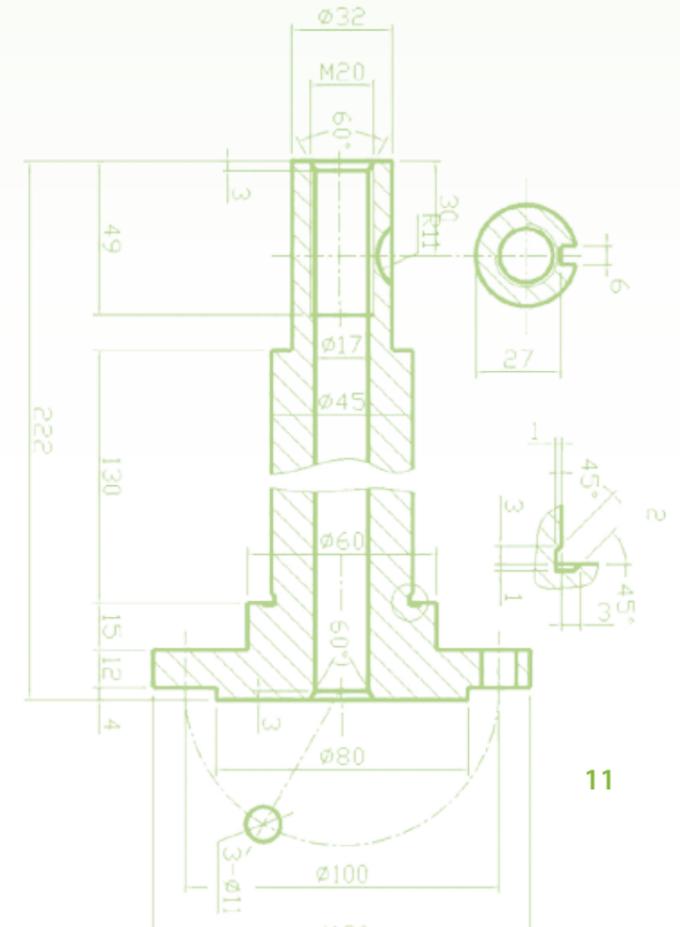
Block Units Available

The units of blocks are now reported by the Insert Block dialog box. This gives you a clear idea about the scale of the block which you are going to insert.



Simplify the Steps for Block Insert from Tool Palettes

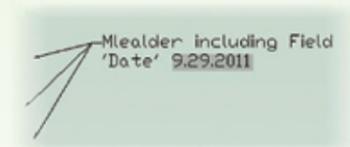
Unnecessary steps for inserting blocks from the Tool Palettes have been removed. In addition, you can now specify whether you want to insert blocks directly, or insert them after specifying a scale factor and rotation angle.



More Powerful Dimensioning

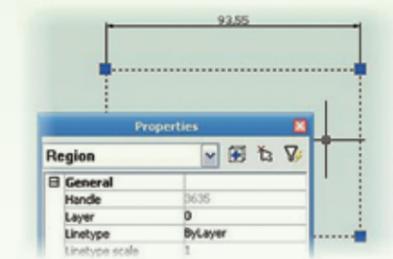
Fields Allowed in Multi-leaders

You can now insert fields into the text of multi-leaders.



Dimensioning Regions

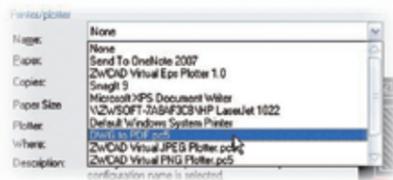
ZWCAD allows you to add dimensions to region objects.



More Convenient Plotting

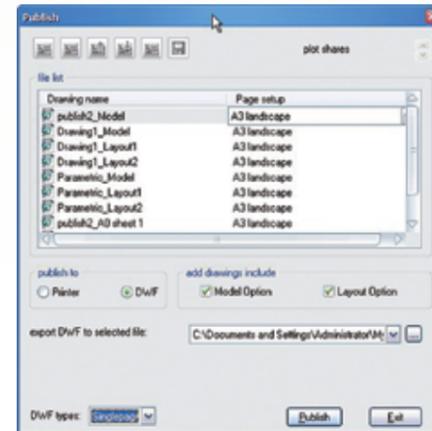
PDF Virtual Printer Added

The PDF virtual printer is now part of the plotter list in 'plot-model' and 'page setup.' This means that you no longer need to add it manually.



Easier Publishing

A predefined page setup can be applied to any drawing to be published. Multiple drawings and layouts can be published to a multi-page DWF file or plotter.



More Commands and Shortcuts

Gradient

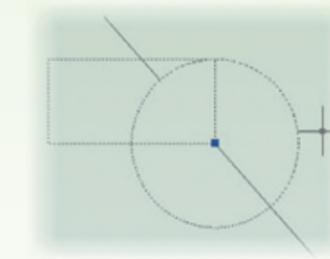
The Gradient command is added to ZWCAD 2012. Its icon can be found in the Draw toolbar.

Easier Access to Visual Styles

A shortcut to visual styles is added to the menu and the toolbar so that you can access it more quickly.

Btrim

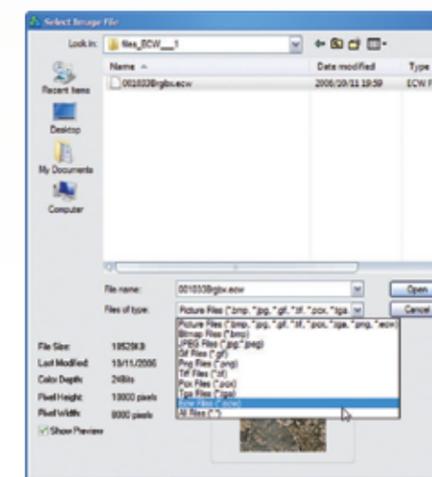
The Btrim command allows you to trim blocks. Elements within the block can be used as cutting boundaries for trim operations.



Others

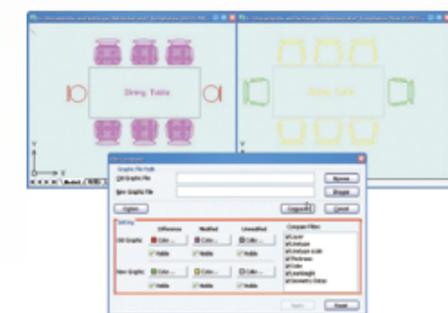
ECW Format Supported

ZWCAD 2012 now supports ECW files, an image format that is used widely in aerial mapping.



Expanded File Comparison

The file comparison feature is enhanced. It now compares the differences between blocks, attributes, and texts.



ZWCAD Helps Clients Achieve Their Design Goals

More than 180,000 clients worldwide use our solutions, and so benefit from generating great business value. They find that not only do they save on costs, but that their productivity increases.



Automotive



Architecture
Engineering &
Construction



Manufacturing



Utilities &
Telecommunication



Transportation

Testimonials

"We are very pleased with ZWCAD's performance over the six months we have been using it. And we will continue to use it. This is the first time we have found a real alternative to our existing CAD software system!"



Michael Collins
Director of Michael Collins Associates

"ZWCAD meets our requirements. Without it, I don't think we could get more business or complete more work faster. The reasonable price of ZWCAD software is a significant contribution to our profitability."



Jerzy Mydlarz
Managing Director of Invenio Poland

"A combination of reliability, rich functionality, and price were the deciding factors to lead us to choose ZWCAD."



Mr. Galin Nenov
CEO of Sweet Home

"ZWCAD has the powerful features and high performance that we were looking for. Our engineers find that they work very easily and conveniently with it, due to its compatibility with and similarity to AutoCAD."



Mr. Xie Ye Qing
Director of Altrust

"We decided to purchase ZWCAD because of its high quality, which we found to be comparable to other programs. Also, its reasonable price meets our budgetary expectations."



Mr. Dominik Pawłowski
IT manager of TP-TELTECH

"ZWCAD has made remarkable progress in its speed and stability in recent years, which gives us great confidence."



Delta Group

ZWCAD's Valued Customers



Service and Support

ZWSOFT is fully aware that the needs of our clients go far beyond purchasing a software package, and so together with our worldwide distributors, we offer customers a variety of value-added services. To keep your ZWCAD systems up and running, ZWSOFT offers the following free and premium services and support plans.

Local Service by ZWCAD Distributors

Global network consisting of over 170 ZWCAD distributors assisting clients in more than 30 languages
Localized consulting and support provided by ZWCAD distributors, such as on-site demonstrations and tutoring

ZWCAD Technical Support

ZWSOFT provides extensive support to all ZWCAD users. For questions about ZWCAD, please visit our website at www.zwsoft.com

First for help, where you will find the following services:

Knowledge Base: Get answers immediately by searching our comprehensive database of solutions.

Discussion Forum: Contact other ZWCAD users for help through our forums.

Live Chat: Talk to ZWCAD support engineers directly through your web browser.

Support Request: Submit questions by email to our tech support staff, and receive answers within three working days.

FAQ

Q: What are the limitations of ZWCAD trial version? How can I get it?

A: The ZWCAD trial version allows you to evaluate all of ZWCAD's functions for 30 days. Following the evaluation period, the software continues to work; it is, however, limited in the following areas: (1) the Export function is disabled, (2) all plots contain a watermark, (3) drawings can no longer be saved in DXF format, (4) drawings with more than 8,000 entities cannot be saved, and (5) drawings cannot be published in DWF file format. All other functions operate normally.

You can download the trial version of ZWCAD from our website at www.zwsoft.com

Q: What are the system requirements for ZWCAD?

A: The minimum system requirements for ZWCAD are as follows:

Processor: Pentium III 800MHz, or faster

RAM: 512MB minimum; more recommended

Video: 1024 x 768 resolution with TrueColor minimum; higher resolution recommended

Q: Which file formats can I use with ZWCAD 2012?

A: ZWCAD 2012 opens and saves drawings in the following formats: DWG, DXF, DWF, and DWT. In addition, the software can export drawings in the following raster and vector formats: BMP, WMF, EMF, SVG, DWF, EPS, PDF, and SAT.

Q: Can I develop my own applications with ZWCAD? Can I run AutoLISP programs directly in ZWCAD?

A: Yes, ZWCAD includes several APIs for developing applications of your own: LISP (similar to AutoLISP), VBA, SDS (similar to ADS) and ZRX (similar to ARX).

Most AutoLISP applications run in ZWCAD with little or no modification.

Q: Is an academic version of ZWCAD available?

A: Yes, ZWSOFT is glad to provide an academic version of ZWCAD at lower cost. The academic version has the same set of powerful features as the retail version of ZWCAD Professional, and is offered at a discount to the staff and students of accredited academic institutions. It is not meant for commercial use. To purchase licenses of the academic version, please call the dealer nearest your school, or contact us directly at sales@zwsoft.com.

Q: How can I get pricing and purchasing information for ZWCAD?

A: You can obtain ZWCAD price quotations and make purchases from your local dealer. For contact information about dealers, feel free to ask us at sales@zwsoft.com or visit our web site at www.zwsoft.com.

ZWSOFT Worldwide

Our offices located in Guangzhou, Shanghai, Beijing, Wuhan, and Melbourne, and are staffed with some 400 people, of which 150 are technical and R&D engineers dedicated to working on CAD/CAM solutions for users.



Guangzhou Headquarters Melbourne, USA Subsidiary Beijing Branch
Shanghai Branch Wuhan Branch

Providing Localized Service to Clients Around the World

ZWSOFT cooperates closely with more than 170 partners worldwide to ensure that the best local service is provided to clients.



Cooperating with Global Developers

To better serve your CAD/CAM needs, ZWSOFT built the ZWSOFT Developer Network (ZDN) for third-party developers. This network provides customers many different kinds of add-ons to make designing easier. From bolts to buildings, a growing number of add-ons are able to maximize your CAD experience. With the power of our APIs, there is no telling how much easier designing becomes. More than 80 applications now run on ZWCAD as a result of the close cooperation between our developers and ZWSOFT.



Comparing ZWCAD Editions

Introduction

ZWCAD Standard Edition is meant primarily for drawing and editing 2D graphics; it also displays, exports, and plots 3D ACIS objects created by the Professional Edition. It includes the LISP, ZRX, and SDS programming interfaces.

ZWCAD Professional Edition offers the full range of functions for creating 2D drawings and 3D models, including ACIS solid model objects. In addition to the LISP, ZRX, and SDS APIs, it also includes VBA.

ZWCAD Academic Edition functions the same as the Professional Edition, but is meant for academic use only. When you plot drawings, a watermark is added to indicate that you are using Academic Edition of ZWCAD.

Comparison Table

✓ Feature supported ✗ Feature not supported	ZWCAD Professional	ZWCAD Standard	ZWCAD Academic
Compatibility with AutoCAD®			
DWG & DXF Support	✓	✓	✓
AutoCAD® Resource Files	✓	✓	✓
AutoLISP (including DCL)	✓	✓	✓
AutoCAD® Development System(ADS)	SDS (similar to ADS)	SDS (similar to ADS)	SDS (similar to ADS)
VBA Included	✓	✗	✓
Object ARX	ZRX(similar to ARX)	ZRX(similar to ARX)	ZRX(similar to ARX)
Basic Features			
2D Drawing, Editing & Dimensioning	✓	✓	✓
Hatch, Block, Xref, Attributes & Image	✓	✓	✓
3D Modeling, Editing & Rendering	✓	✗	✓
3D Views & Displays	✓	✓	✓
Export to JPEG, PNG, PDF etc.	✓	✓	✓
Plot	✓	✓	With Watermark
Advanced Features			
Parametric Drawing	✓	✓	✓
Design Center & Tool Palettes	✓	✓	✓
MLeader, Table, Field	✓	✓	✓
Aerial View	✓	✓	✓
Express Tools	✓	✓	✓
Unique Features			
Batch Plot (pltplot)	✓	✓	✓
Multiple Tab	✓	✓	✓
Drawing Compare	✓	✓	✓
Block Extraction	✓	✓	✓
Image with TFW coordinate file	✓	✓	✓