

Compare Info	ZWCAD 2024		GstarCAD 2023	
Version	Standard	Professional	Standard	Professional
File Support				
DWG R14/2000/2004/2007/2010/2013	✓	✓	✓	✓
DXF R12/2000/2004/2007/2010/2013	✓	✓	✓	✓
DWG/DXF 2018	✓	✓	✓	✓
DWT support	✓	✓	✓	✓
User Interaction				
Lasso Selection	✓	✓	✗	✗
Adaptive Grid	✓	✓	✓	✓
Classic menu and toolbar	✓	✓	✓	✓
Command auto complete	✓	✓	✓	✓
Customize User interface (CUI)	✓	✓	✓	✓
Design Center	✓	✓	✓	✓
Drawing tab switching	✓	✓	✓	✓
Dynamic Input	✓	✓	✓	✓
Dynamic UCS	✓	✓	✓	✓
Multi-thread CPU speed up	✓	✓	✗	✗
Partial CUI	✓	✓	✓	✓
Properties Palette	✓	✓	✓	✓
Ribbon interfaces	✓	✓	✓	✓
Tool Palettes	✓	✓	✓	✓
Transparent Command	✓	✓	✓	✓
2D drawing and annotation				
Enhanced coordinate dimensions	✓	✓	✓(1)	✓(1)
Annotative Scale	✓	✓	✓	✓
Associative dimensions	✓	✓	✓	✓
Enhanced grip editing menu	✓	✓	✓	✓
Field	✓	✓	✓	✓
Hatch/Gradient Hatch	✓	✓	✓	✓
MleaderAlign	✓	✓	✓	✓
Leader & Mleader	✓	✓	✓	✓
Pline and Hatch Boundary Grips	✓	✓	✓	✓
Revcloud	✓	✓	✓	✓
Super Hatch	✓	✓	✓	✓
Table & Table styles	✓	✓	✓	✓
Text and Mtext	✓	✓	✓	✓
Text in-place editing	✓	✓	✓	✓
Layers				
Layer Properties Manager (classic)	✓	✓	✓	✓
Layer Properties Manager (Panel)	✓	✓	✓	✓
Layer States Manager	✓	✓	✓	✓
layer filter	✓	✓	✓	✓
Layer Walk	✓	✓	✓	✓
Layer Merge	✓	✓	✓	✓
Layer Browser	✓	✓	✗	✗
Viewport Layer	✓	✓	✓	✓
Xref,Block and Attribute				
Dynamic Block	(2)	(2)	✓	✓
Attribute	✓	✓	✓	✓
Block align	✓	✓	✓	✓
Block editor	✓	✓	✓	✓
Block replace	✓	✓	✓	✓
DGN Underlay	✓	✓	✓	✓
DGN Export	✓	✓	✗	✗
DGN Import	✓	✓	✓	✓
DWF underlay	✓	✓	✓	✓
DWFX underlay	✓	✓	✓	✓
External Reference Manager	✓	✓	✓	✓
Multiple block inserting	✓	✓	✓	✓
OLE	✓	✓	✓	✓
PDF underlay	✓	✓	✓	✓
Raster Images	✓	✓	✓	✓
Xrefs	✓	✓	✓	✓
Print				
CTB & STB plot styles	✓	✓	✓	✓
Export	✓	✓	✓	✓
Mvsetup	✓	✓	✓	✓
Smart Plot (Batch Plot)	✓	✓	(3)	(3)
Shade Plot	✓	✓	✓	✓
Plot to SVG	✓	✓	✓	✓
Plotting	✓	✓	✓	✓
Publish DWF/DWFX	✓	✓	✓	✓
Publish PDF	✓	✓	✓	✓
3D modeling and visulization				
3D Orbit	✓	✓	✓	✓
ACIS viewing	✓	✓	✓	✓
3D solid modeling	✗	✓	✓	✓
3D solid editing	✗	✓	✗	✓
Rendering	✗	✓	✗	✓
Solprof	✗	✓	✗	✓
STL export	✗	✓	✓	✓
Visual styles (Hide & Shade)	✓	✓	✓	✓
Z axis tracking	✓	✓	✓	✓
IFC Import	✓	✓	(4)	(4)
Tools				
Quick Properties Panel	✓	✓	✓	✓
Point Cloud	✗	✓	(5)	(5)
Area Table	✓	✓	✓	✓
Sheetset Manager	✓	✓	✓	✗
Cloud Storage	✓	✓	✓	✓
3D Mouse	✓	✓	✗	✓
ArcGIS Module	✗	✓	✗	✗
Datalink	✓	✓	✓	✓
Associative Array	✓	✓	✓	✓
CAD Standard	✓	✓	✗	✗
Data extraction	✓	✓	✓	✓
DGN Purge	✗	✓	✓	✓
Digital signature for dwfx drawings	✓	✓	✗	✓
Digital signature for dwg drawings	✓	✓	✓	✓
Etransmit	✓	✓	✓	✓
File Compare	✓	✓	✓	✓
Formula apply to Table	✓	✓	✓	✓
Group	✓	✓	✓	✓
Lockup & Unlock	✓	✓	✓	✓
Match properties (cross drawings)	✓	✓	✓	✓
Multiple Undo/Redo	✓	✓	✓	✓
Quick Calculator	✓	✓	✓	✓
Quick select	✓	✓	✓	✗
Region	✓	✓	✗	✗
Setting Migrations	✓	✓	✓	✗
Smart mouse	✓	✓	✗	✗
Smart select	✓	✓	✗	✓
Smart voice	✓	✓	✗	
Undo/Redo Preview	✓	✓	✗	✓
Layout Export	✓	✓	✓	✓
Application Programming Interfaces				
.NET	✗	✓	✓	✓
ActiveX, including in-place editing	✓	✓	✓	✓
DCL engine	✓	✓	✓	✓
Full LISP with vl-, vlr-, vla- and vlax- support	✓	✓	✓	✓
LISP Debugger	✓	✓	✗	✗
Runtime extension (ZRX/ARX)	✗	✓	✓	✓
Visual Basic for Applications (VBA 32/64-bit)	✗	✓	✓	✓

(1) ZWCAD's enhanced coordinate dimension function is much powerful than GstarCAD.

(2) ZWCAD have a function called "Flexiblock", the way to create, edit, use flexiblock is exactly the same as dynamic blocok. NanoCAD only available to use dynamicblock.

(3) Doesn't support to rename the output files with certain fields, plot entities in frames of different sizes as one pdf file,and automatically match the frame size with the paper size

(4) Not exist in official version from their webste,but exist in a special version, call up by command "DRIFC"

(5) GstarCAD can only attach Pointcloud file to drawing, no other further operations on the model. ZWCAD can adjust model visual style, create section plane, extract section line etc. base on the model.