

CMS IntelliCAD®

Premium Edition (PE) & Premium Edition Plus (PE Plus) CAD Software

Affordable, Powerful & Compatible

CMS IntelliCAD® Compatible CAD Software is the intelligent and affordable full-featured choice for engineers, architects and consultants, or anyone who communicates using CAD drawings.

CMS IntelliCAD is designed to give you unrivaled compatibility with Autodesk® AutoCAD®, and is fully programmable with hundreds of third party solutions. CMS IntelliCAD also offers a full suite of 2D and 3D AutoCAD compatible drawing tools.

CMS IntelliCAD also provides a high degree of compatibility with the AutoCAD command set, as well as AutoLISP and ADS and built-in Microsoft VBA.

You can get to work immediately using your *.dwg files, commands and applications you rely on.

What's new on v12.0

Create reports and templates, extracting data to tables and .xls files. Create super hatches and wipeouts. Dynamically display and customize the Quick Properties pane to modify often-used properties. Draw splines using control vertices and knot parameterization. Use the new Geometric Center snap. Create and edit legacy image tile menus. For tables, export them to .csv files, create and update them from extracted drawing data, remove cell formatting overrides, and specify cell border properties.

More enhancements include importing page setups, choosing PDF presets, importing & exporting Facet Modeler Binary (.fmb) files, display settings for section planes, controlling whether entities on layers can be cut by section planes, and previewing modifications when using the Offset, Trim, and Extend commands and when editing hatches.

On BIM files: customize AEC styles, attach roof and ceiling plane symbols to walls and reference them while interactively creating roof and ceiling planes, assign levels to AEC entities, import .ifc files with more options, and include .rvt and .ifc underlays when exporting to .ifc files.

For technical users, IntelliCAD 12.0 incorporates an updated .NET API and uses ODA SDKs version 2023.12. IntelliCAD IcAPI is a pre-release version highly compatible with AutoCAD® Object ARX, allowing CMS IntelliCAD developers to build applications with a single code base that runs on both platforms.

Key Points

Unrivaled Autodesk® AutoCAD® Compatibility

Native **.dwg file support, including version 2.5- 2018/20**

Add **Digital signatures** to .dwg files.

AutoCAD **3D surface** commands

Spatial® ACIS (.sat) 3D solids import and export*.

ACIS 3D solids modeling*.

Autodesk Development System (ADS) unicode support.

LISP support (including .DCL).

Support for AutoCAD command line.

Digitizer Support.

AutoCAD menu (.MNU) and script (.SCR) files.

Raster image display.

Exceptional Productivity & Customization

Photo-realistic 3-D rendering, Visual Styles & Materials.

Advanced photo-realistic rendering with Artisan render.

Ribbon tabs interface combined with Menus & Toolbars.

CUI support for Ribbon tabs interface customization.

ActiveX support including in-place editing.

Drawing Explorer™ for managing layers, blocks, line types, and more. Express tools, **Tool Palettes & Direct Input**.

BIM Support^{NEW} IFC & Revit® files import as underlay*

Attach point cloud .rcp/.rcs files.

AEC entities such as walls, windows, doors, etc.*

STEP & IGES file format import and export.*

PDF file import and conversion to .dwg

Graphical block preview, Block direct edition.

Layer states, layer filters with search, quick select.

Work with **multiple open drawings (MDI)**.

Faster Real Time Pan & Zoom.

Right-mouse click to edit properties of multiple selected entities.

Sketch Modes & Selection Grips.

Script recorder.

Microsoft® **Visual Basic® Applications (VBA7.1) & .Net 4.5**

DRX/IRX interface is available for developers to create custom entities. IntelliCAD **IcAPI**^{NEW}

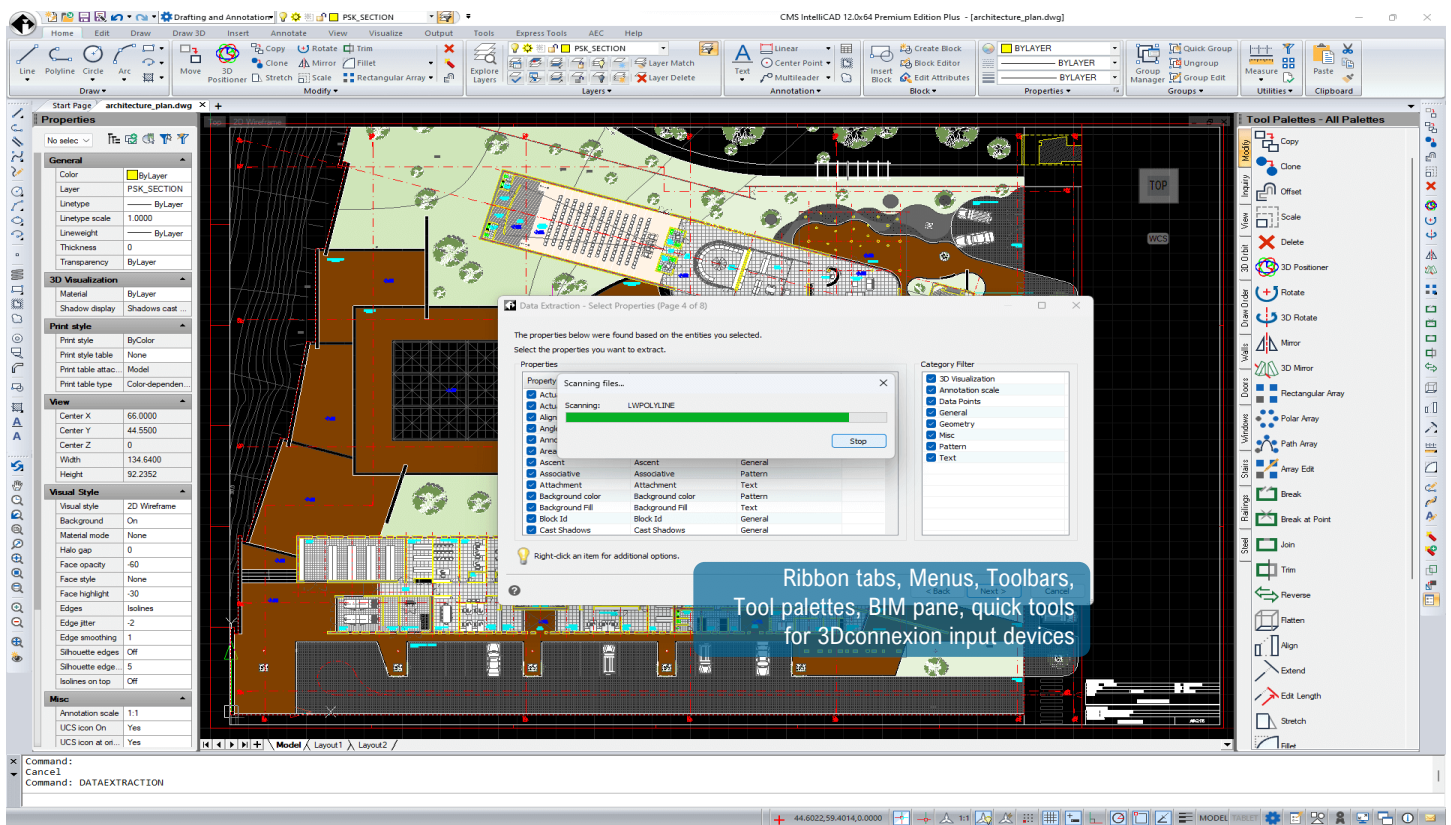
Visual **customization of menus and toolbars**, .cui custom menu files. **System variables manager**.

Microsoft Office® Integration

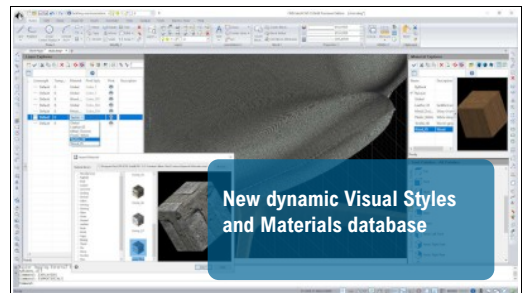
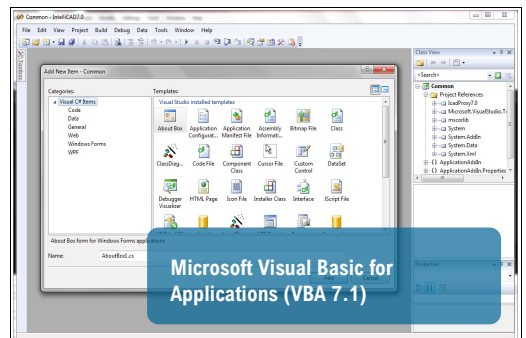
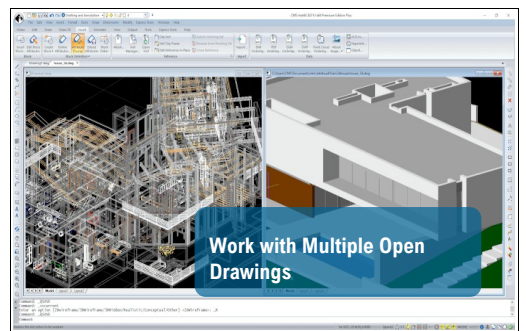
ActiveX integration: you can insert IntelliCAD drawings (or just parts of them) into a Microsoft Office or OpenOffice application file.

Supported on Microsoft **Windows®-64bit**.

(*) PE Plus only.



	PE	PE+
Native open drawing *.dwg file support from v2.5-up to	2018/20	2018/20
DXF, DWT, Autodesk DWF™, Adobe PDF, & Microstation *.DGN file support	●	●
.dwg Digital Signatures, Xref, direct Block edition & Selection Grips	●	●
Support for 3D surface commands. Facet Modeler, Import and Export of .fmb files	●	●
ACIS solids modeling and editing – Spatial Release 2022		●
BIM support – IFC and RVT files import as underlays	RVT only	●
STEP & IGES Import and Export.		●
PDF import & point data from .csv and .txt files data import, Extract data to tables & .xls files	●	●
Super Hatch , Dynamic Quick Properties		●
LISP support (including DCL) & Microsoft Visual Basic for Applications (VBA 7.1) & .Net 4.5	●	●
DRX/IRX interface is available for developers to create custom entities	●	●
Photo-realistic 3D Rendering and lighting, New visual styles & Materials	●	●
Advanced photo-realistic 3D rendering with Artisan for IntelliCAD add-on	●	●
Drawing Explorer™, layers, blocks, lines, truetype font & truecolor support	●	●
Graphical Block, line and text types Preview, multi-line in-place text editor	●	●
Express tools, Tool Palettes & Direct Input, Tables Creation & Editing, Tables Export to .csv files	●	●
Microsoft ActiveX support		●
Customizing Ribbon tabs user interface combined with toolbars and menu		●
eTransmit support and extensive hatch patterns list including gradient options	●	●
Raster Image insertion and advanced control	●	●
Work with Multiple Open Drawing – Individual tabs for each file	●	●
3Dconnexion input devices support	●	●
Multi-core processing support (on available machine systems)	●	●
Supported OS architecture (Microsoft Windows® 7 / 8.x / 10 / 11)	64-bit	64-bit
Minimum System Requirements free RAM / HD Space for Full Installation	2GB / 4GB	



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