

# 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 v11.1

**CMS IntelliCAD 11.1** focuses providing many new commands and enhancements: **Quick Dimension, Adjust Spacing, Center Mark, Center Line, Replace Block, Quick Block Save, Live Sectioning, Align Space, Facet Model Helix, and Extract Isolines.** New features also include the ability to define custom paper sizes for .pc3 printer configuration files, replace blocks with existing external references, and choose alternate fonts when an SHX font cannot be found.

More enhancements include an improved **interface when printing and exporting to PDF**, more ways to add sheets when publishing, a home view and rotate arrows for the view cube, blocks in table cells, table cell content management, and multileader styles, multiline styles, table styles, and visual styles as part of the Explorer.

CMS IntelliCAD versions are all able to import BIM files, but extra features will be available with the new 11.1 version.

For technical users, CMS IntelliCAD 11.1 incorporates ODA SDKs version 2022.12 Service Pack 1, Artisan SDK version 2022, and Open CASCADE Technology (OCCT) version 7.6.0.

### Key Points

#### Unrivaled Autodesk® AutoCAD® Compatibility

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

Add **Digital signatures<sup>NEW</sup>** 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<sup>NEW</sup>** IFC & Revit® files import as underlay\*

**Attach point cloud .rcp/.rcs** files.

**AEC entities<sup>NEW</sup>** such as walls, windows, doors, etc.\*

**STEP & IGES<sup>NEW</sup>** file format import and export.\*

**.PDF file import<sup>NEW</sup>** 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<sup>NEW</sup> & Selection Grips<sup>NEW</sup>.**

Script recorder.

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

**DRX/IRX interface** is available for developers to create custom entities.

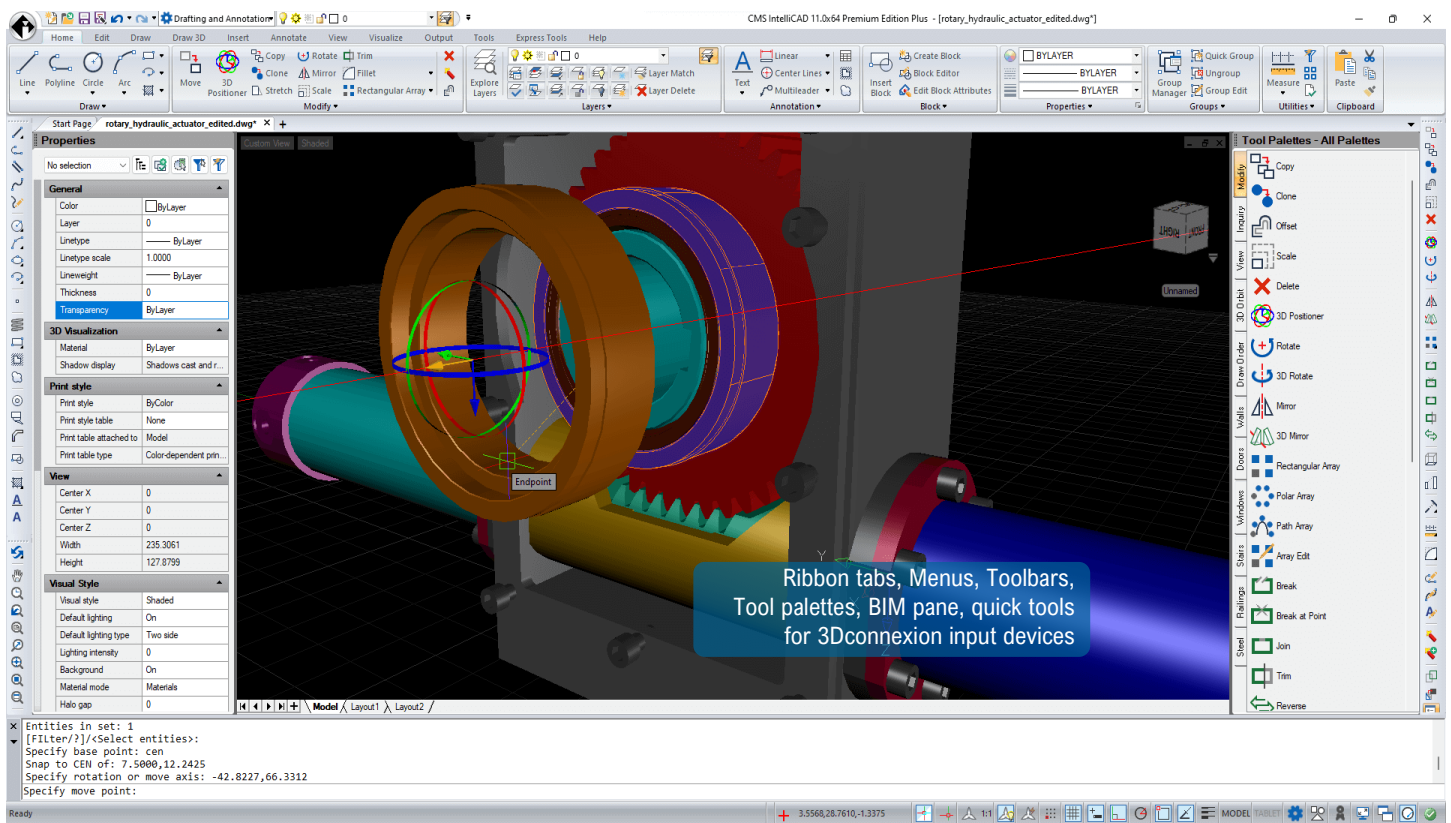
Visual **customization of menus and toolbars**, .cui custom menu files. **System variables manager<sup>NEW</sup>.**

#### Microsoft Office® Integration

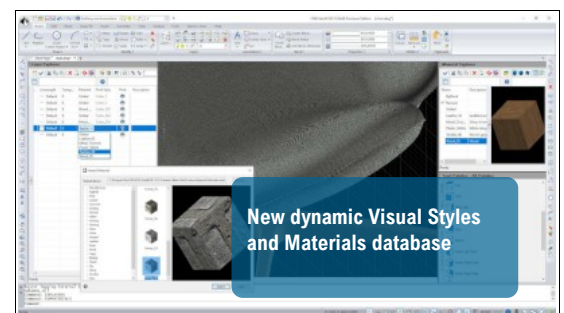
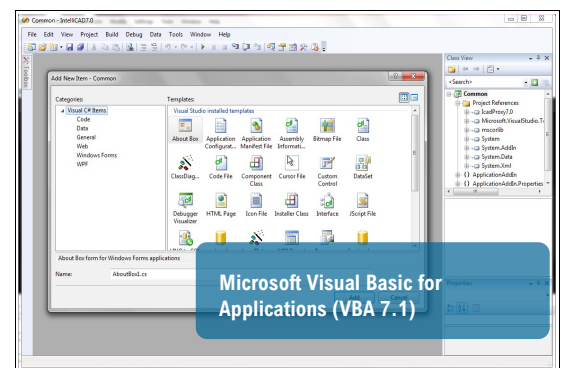
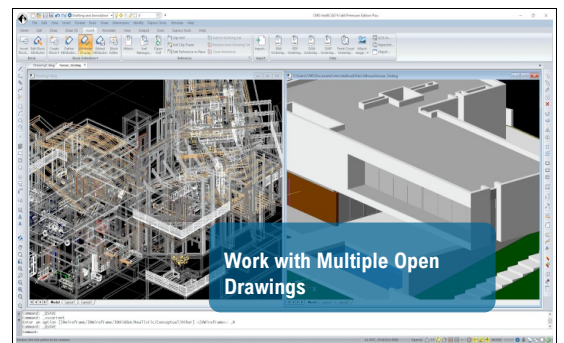
ActiveX integration: you can insert IntelliCAD drawings (or just parts of them) into a Microsoft Office or OpenOffice application file.

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 AutoCAD 3D surface commands	•	•
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	•	•
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	•	•
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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