

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 v9.2

CMS IntelliCAD 9.2 is a major release that includes many new features and improvements including: import and export **IGES and STEP** format files (for Premium Edition Plus - PE Plus), delete and combine duplicate or overlapping entities using the **Overkill command**, use **right-to-left fonts**, choose from additional list types for multiline text, undo or redo a selected range of actions, **thicken surfaces** and meshes to convert them to three-dimensional solids (for Premium Edition Plus - PE Plus), and **publish a drawing** to the newly supported .dwf/.dwfx published format. You can also set up **automatic publishing** to create .pdf, .dwf, or .dwfx files when you save or close a drawing.

Selection includes a collection of new features. The **new Selection Filter pane**, similar to the Properties pane, displays all entities in a drawing and allows you to filter and select entities by layer, color, entity type, and linetype. Polygons, rectangles, and break lines have additional grips and properties for smart editing, and selection cycling is available which makes it easier to select entities that overlap.

CMS IntelliCAD provides extended features that work with BIM files, **add elevation and section lines to models**; draw curtain walls; draw detailing elements for wood, studs, joists, and track; and convert two-dimensional entities to walls and slabs.

Key Points

Unrivaled Autodesk® AutoCAD® Compatibility

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

Add **Digital signatures^{NEW}** 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

Professional photo-realistic 3-D rendering.

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 and **Tool Palettes**.

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

Attach point cloud .rcp/.rcs files.

AEC entities^{NEW} such as walls, windows, doors, etc.*

STEP & IGES^{NEW} 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^{NEW}** & **Selection Grips^{NEW}**.

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

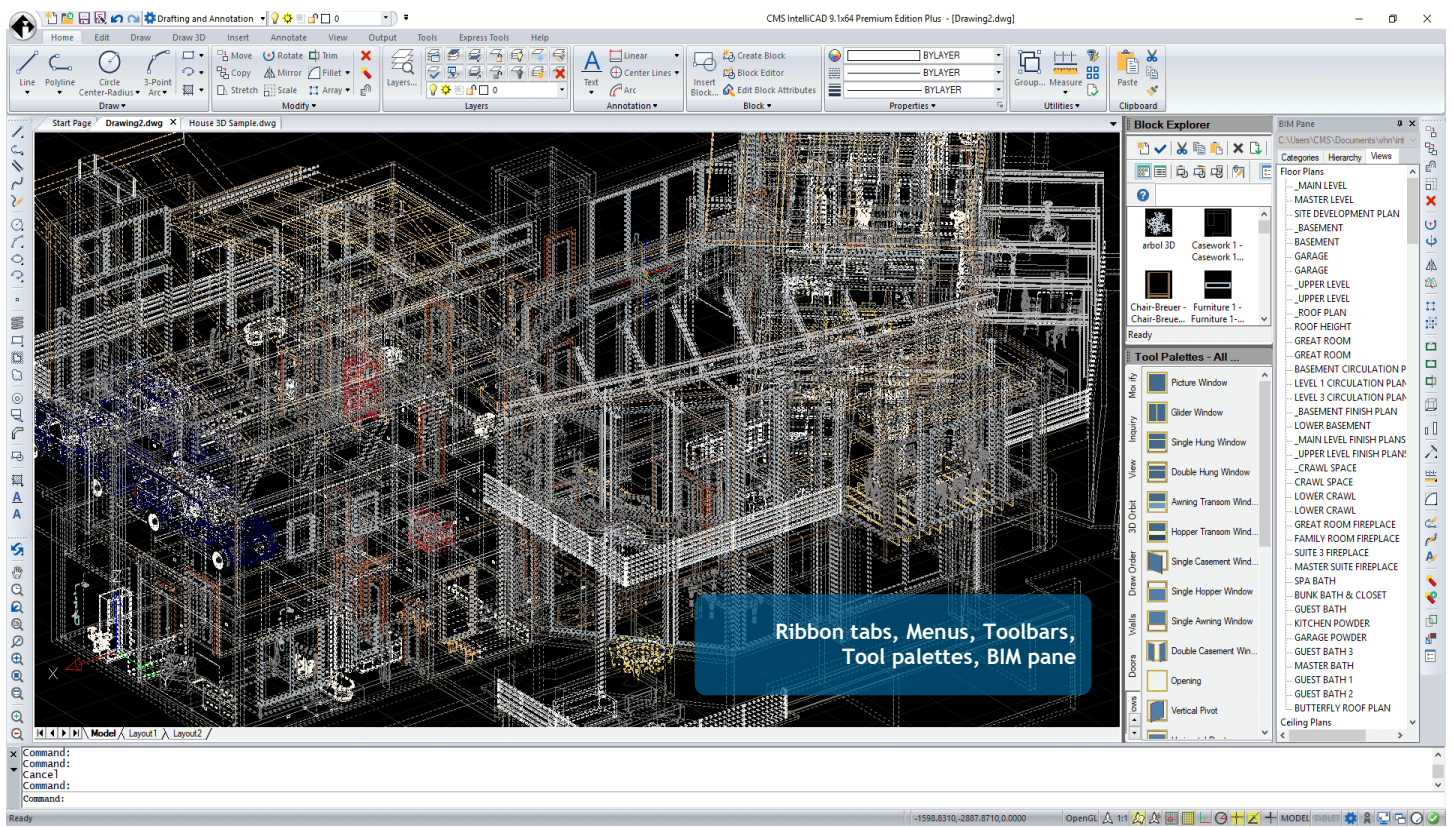
menu files. **System variables manager^{NEW}**.

Microsoft Office® Integration

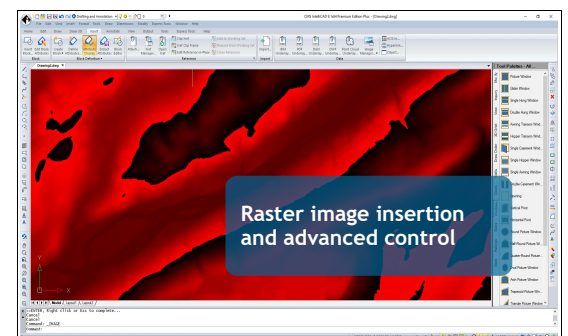
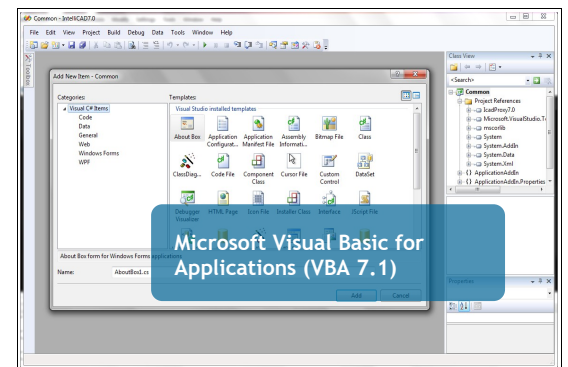
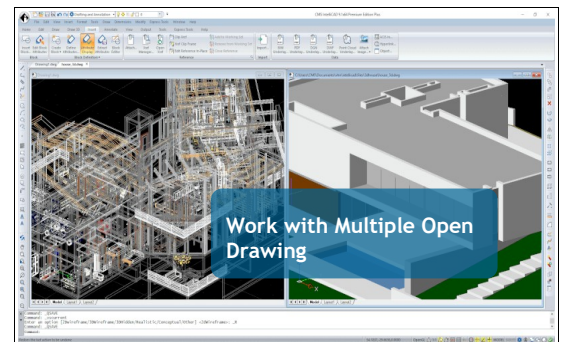
ActiveX integration: you can insert IntelliCAD drawings (or just parts of them) into a Microsoft Office or OpenOffice application file.

Supported on Microsoft **Windows® 7 / 8.x / 10 (64bit)**.

(*) PE Plus only.



	PE	PE+
Native open drawing *.dwg file support from v2.5-up to	2018/20	2018/20
DXF, DWT, Autodesk DWG™, 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 23		•
BIM support – IFC and RVT files import as underlays	RVT only	•
STEP & IGES Import and Export		•
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	•	•
Professional photo-realistic 3D Rendering and lighting	•	•
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 and Tool Palettes	•	•
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	•	•
Multi-core processing support (on available machine systems)	•	•
64-bit Supported OS architecture (Microsoft Windows® 7 / 8.x / 10)	64-bit	64-bit
Minimum System Requirements free RAM/HD Space for Full Installation	2GB / 1.68Gb	



CAD-MANUFACTURING SOLUTIONS, INC.

PO Box 1735

Burleson, TX 76097 | USA

Phone: +1 (501) 588-7970

Web: <http://www.intellicadms.com>

Email: software@etoolbox.com

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