

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 v14.x

CMS IntelliCAD 14.0 and 14.1 deliver a major evolution in performance and professional functionality, focusing on modernization and geospatial precision. Version 14.0 introduced a redesigned interface featuring a high-contrast Dark Theme and detachable drawing windows for multi-monitor setups. Performance saw massive gains, with clipboard operations running up to 30x faster and the break command optimized by 12x. New productivity features like QR code generation, Excel-style table auto-fill, and SVG file imports were added, while Esri replaced Bing for superior map imagery.

The 14.1 update refined this engine further by introducing Geospatial PDF exports, which retain live coordinate metadata within the document. Users gained access to Microsoft Azure Maps and improved selection cycling for overlapping objects. A dedicated block testing environment, BTESTBLOCK, allows for verifying dynamic block behavior without altering definitions. Architectural workflows benefited from advanced BIM anchors for smarter door and window placement, while developers received support for compiled LISP formats like .fas and .vlx. Together, these versions bridge the gap between classic CAD workflows and modern demands for speed, data integration, and visual clarity. The software now operates on a more resilient core, ensuring compatibility with Revit 2025 files and providing a more fluid experience for complex 2D and 3D drafting tasks

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.

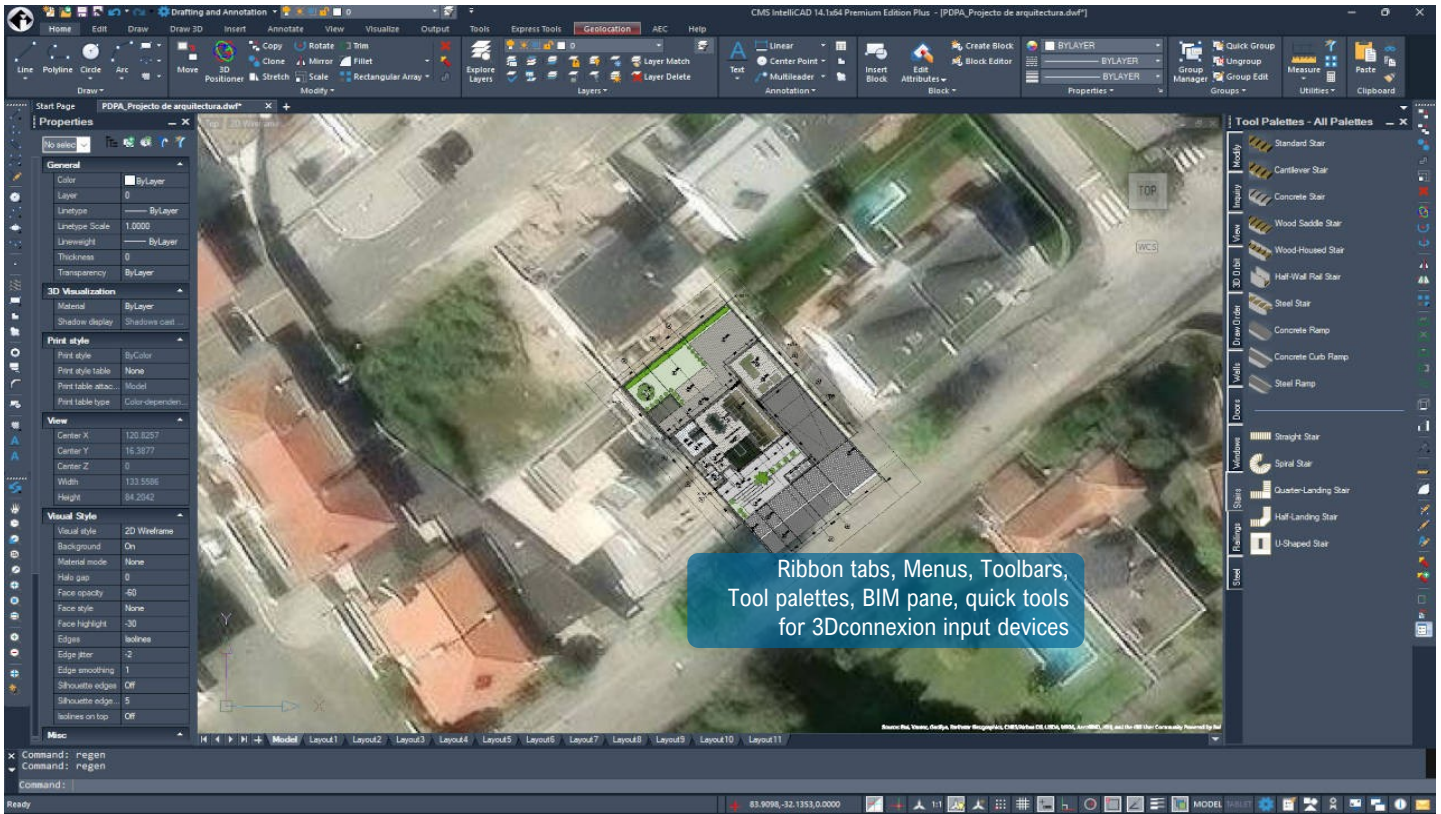
Exceptional Productivity & Customization

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

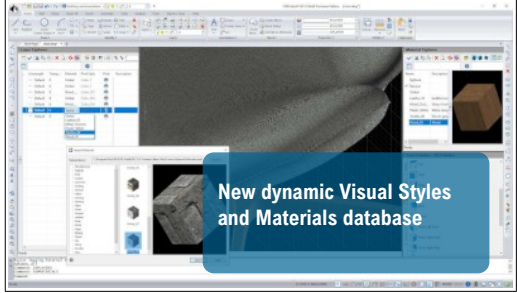
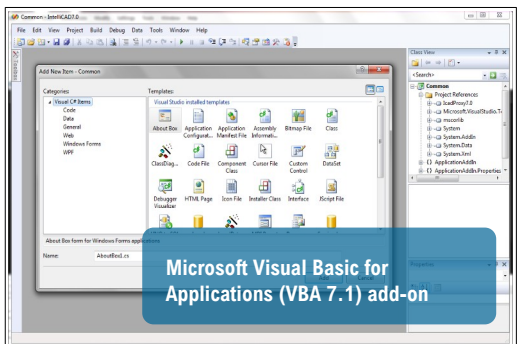
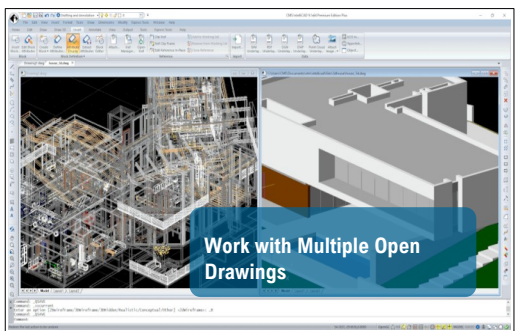
Microsoft Office® Integration

- 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	2018/26	2018/26
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: maintained Microsoft Windows®	64-bit	64-bit
Minimum System Requirements free RAM / HD Space for Full Installation		2GB / 4GB



CAD-MANUFACTURING SOLUTIONS, INC.
 PO Box 1261
 Azle, TX 76098 | USA
 Phone: +1 (817) 221-8855
 Web: <http://www.intellicadms.com> email: software@etoolbox.com

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