

ECW Plugin for AutoCAD

Accelerate Your Geospatial Workflow

Struggling with raster data handling in AutoCAD, Map3D, Civil3D and other Autodesk products? You can use the free ECW Plugin for AutoCAD to:

- Stream high resolution imagery over the Enhanced Compressed Wavelet Protocol (ECWP) from ERDAS APOLLO remote services or
- Access ECW v3, ECW v2, and JPEG 2000 files stored on your local machine or on the network

Both workflows can be inserted as one or more raster layers into any AutoCAD drawings.

Users worldwide rely on Enhanced Compression Wavelet (ECW) technology from Hexagon's Geospatial division to compress bulky imagery files into manageable sizes – all while preserving the visual quality of the images.

With ECW support, AutoCAD users can leverage compression technology capable of quickly decompressing and opening massive files, in many cases faster than uncompressed imagery can be opened. This powerful plugin enables AutoCAD to deliver images much faster.

ECW Imagery Format Advantages

Hexagon's Enhanced Compression Wavelet (ECW) is a high-performance, image-compression format designed specifically for geospatial imagery.

Save Time

This optimized compression technology enables faster transfer of imagery across networks and the Internet, and ultimately reduces the hardware investment required for storage costs.

Save Money

While the AutoCAD add-ons must be purchased, the ECW Plugin for AutoCAD is free!

No Pyramids or Overviews

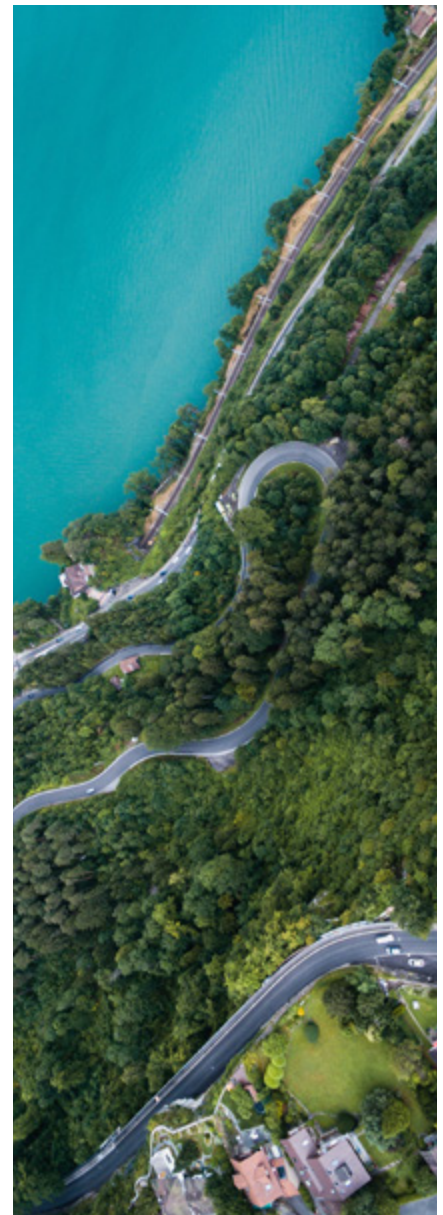
ECW includes multi-resolution level of detail within the file, eliminating the need to generate or distribute pyramids or overviews.

Mosaics Instead of Individual Tiles

ECW Mosaics created from 100 or more individual files are much faster to work with than loading individual tiles.

Supports Opacity Channels

Mask out background and null data areas, allowing images to overlay other imagery cleanly without showing compression artifacts around the edges.



Reduce Size, Retain Full Visual Quality

Reduces terabyte-sized files to five percent of their original size, while retaining the image's full visual quality.

Lightning-Fast Display Performance

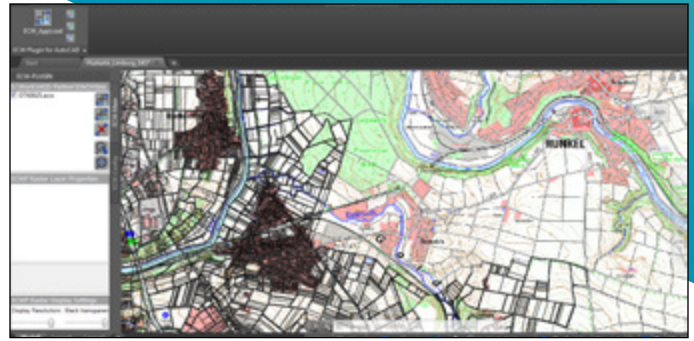
Lightning-fast display performance means fast zooming, panning, and roaming over large images.

More Accessible Data to Users

Easily exchange images, thanks to broad industry support for the ECW format. ECW provides the industry's fastest decompression and compression rates. This enables faster processing and transfer of imagery throughout an organization, reducing overall data duplication.

Outperforms Alternative Storage Formats

Because of extensive format optimizations, expensive hardware requirements generally seen when using JPEG 2000, MrSID, Esri® raster geodatabase or compressed GeoTIFF files are minimized with the same or better results.



Options for Raster Imagery Using Ecw Plugin for Autocad

GeoCompressor

- Compress your raster data with Hexagon's GeoCompressor to the ECW 3.0 format
- Mosaic multiple images into a single image; update regions of mosaic as needed
- Save the ECW on your local machine or on the network
- Install the free ECW Plugin for AutoCAD and use raster files with hundreds of GB size in AutoCAD

M.App Chest

- Upload and compress your raster data with Hexagon's cloud-based M.App Chest and configure your own ECWP streaming web service
- Install the free ECW Plugin for AutoCAD and use your own data through the ECWP service without needing to buy, maintain, and run your own web server

ERDAS APOLLO for ECWP Streaming Web Service

- Distribute massive amounts of imagery to many users from a single server with ERDAS APOLLO
- Save time, bandwidth and infrastructure costs by centralizing all of your disparate data in one single, searchable catalog
- Create your own ECWP streaming web service
- Install the free ECW Plugin for AutoCAD and use your own data through the ECWP service

Compare Data Handling and Performance

AutoCAD commands Attach or XREF	ECW
Insertion point for each file to be defined	Georeference insertion points automatically read and used
No transparency settings	Settings available for resolution and opacity
Automatic filter for the maximum zoom level	No need for filter or configuration; actual data used
Using IMAGEATTACH: Data remain completely in RAM until AutoCAD is closed. RAM limitation	Loads data dynamically

About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications. Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

Hexagon's Geospatial division creates leading platforms, applications and solutions for visualizing, analyzing, and deriving insight from location data. By interconnecting the geospatial and operational worlds, we help customers of all sizes – from sites to cities to nations – use 5D location intelligence to solve real-world, mission-critical challenges.

From snapshots in time to real-time streams, our technology enables autonomous connected ecosystems that deliver reliable, repeatable location information. We shorten the loop from data acquisition to action, helping clarify what was, what is, what could be, what should be, and ultimately, what will be, so we can build a thriving, sustainable world.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 4.3bn USD. Learn more at hexagon.com and follow us @HexagonAB.