



GeoMedia® Suite Comparison

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Overview

This document provides a brief comparison of the main features and capabilities found within GeoMedia Viewer, GeoMedia, and GeoMedia Professional, the tiers of GeoMedia®. This is not a comprehensive list of all GeoMedia's features and capabilities. Please see the current GeoMedia Product Description for a more complete listing of product capabilities.

Executive Summary

GeoMedia® is a powerful GIS management package that enables you to realize the maximum value of all your geospatial resources, integrating them to present clear, actionable information. It provides simultaneous access to geospatial data in almost any form, uniting them in a single map view for efficient processing, analysis, presentation, and sharing.

The GeoMedia product suite offers incremental capabilities through GeoMedia Professional, GeoMedia, and the free GeoMedia Viewer. This tiered product structure enables you to acquire the functionality you need without paying for features not required for your workflow. It also allows you to more easily adjust the scope of the software as your GIS management and analysis needs and budget change.

Selected Capabilities in the GeoMedia Tiers

| Feature | Capability | GeoMedia Viewer | GeoMedia | GeoMedia Professional |
|------------------------------|--------------------|-----------------|----------|-----------------------|
| General Functionality | New Geoworkspace | ■ | ■ | ■ |
| | Open Geoworkspace | ■ | ■ | ■ |
| | Save Geoworkspace | ■ | ■ | ■ |
| | New connection | ■ | ■ | ■ |
| Data Management | Libraries | ■ | ■ | ■ |
| | Catalogs | ■ | ■ | ■ |
| | Categories | ■ | ■ | ■ |
| | Database utilities | ■ | | ■ |

| Feature | Capability | GeoMedia Viewer | GeoMedia | GeoMedia Professional |
|-------------------------------------|-----------------------------|-----------------|----------|-----------------------|
| Output | Map book generation | ■ | | ■ |
| | Cartographic grid placement | ■ | ■ | ■ |
| | Reference index grids | ■ | ■ | ■ |
| | Map composition environment | ■ | ■ | ■ |
| | Map window printing | ■ | ■ | ■ |
| Presentation & Rendering | Thematic maps | ■ | ■ | ■ |
| | Legend-driven display | ■ | ■ | ■ |
| | Enterprise styles | ■ | ■ | ■ |
| | Advanced style creation | ■ | ■ | ■ |
| | Named styles | ■ | ■ | ■ |
| Analysis | Address geocoding | | ■ | ■ |
| | Aggregation | | ■ | ■ |
| | Analytical merge | | ■ | ■ |
| | Attribute query | | ■ | ■ |
| | Attribute selection | | ■ | ■ |
| | Buffer zoning | | ■ | ■ |
| | Coordinate geocoding | | ■ | ■ |
| | Dynamic analysis | | ■ | ■ |

| Feature | Capability | GeoMedia Viewer | GeoMedia | GeoMedia Professional |
|---------------------------|---|-----------------|----------|-----------------------|
| Analysis, cont. | Dynamic segmentation | | ■ | ■ |
| | ■ LRS precision location | | ■ | ■ |
| | ■ Reference key in | | ■ | ■ |
| | ■ Reference readout | | ■ | ■ |
| | Find address | | ■ | ■ |
| | Generate base geometry | | ■ | ■ |
| | Geocode coordinates | | ■ | ■ |
| | Join | | ■ | ■ |
| | Measure length and angle | ■ | ■ | ■ |
| | Native query | | ■ | ■ |
| | Spatial difference | | ■ | ■ |
| | Spatial intersection | | ■ | ■ |
| | Spatial query | | ■ | ■ |
| | Topology on demand | | ■ | ■ |
| | Union | | ■ | ■ |
| Labeling | Text placement | | ■ | ■ |
| | Automatic label generation | | ■ | ■ |
| | Interactive label with rotation options | | | ■ |
| | Insert leader lines | | ■ | ■ |
| | Find text conflicts | | ■ | ■ |
| Placement /Editing | Maintain relationships in feature placement and editing | | | ■ |
| | Stream mode digitizing | | | ■ |
| | Table digitizing | | | ■ |

| Feature | Capability | GeoMedia Viewer | GeoMedia | GeoMedia Professional |
|----------------------------------|--------------------------------------|-----------------|----------|-----------------------|
| Placement /Editing, cont. | Vector breaking on placement/editing | | | ■ |
| | Precision coordinate key ins | | | ■ |
| | Construction aids | | | ■ |
| | Smart snapping | | ■ | ■ |
| | Integrated raster/vector snap | | ■ | ■ |
| Feature Placement | Multi-level undo/redo | | | ■ |
| | Place linear features | | ■ | ■ |
| | ■ Two-point lines | | | ■ |
| | ■ Consecutive two-point lines | | | ■ |
| | Place point features | | ■ | ■ |
| | ■ Orient to geometry | | | ■ |
| | ■ Place at angle | | | ■ |
| | ■ Rotate dynamically | | | ■ |
| | Place area features | | ■ | ■ |
| | ■ Place circles | | | ■ |
| | ■ Place rectangle | | | ■ |
| | ■ Place rotated rectangle | | | ■ |
| | Arc placement | | | ■ |
| | ■ Start, end, point on edge | | | ■ |
| | ■ Start, point on edge, end | | | ■ |
| | ■ Arc by center | | | ■ |
| | ■ Precision key in of parameters | | | ■ |

| Feature | Capability | GeoMedia Viewer | GeoMedia | GeoMedia Professional |
|---------------------------------|-------------------------------------|-----------------|----------|-----------------------|
| Feature Placement, cont. | Construction aids | | | ■ |
| | ■ X, Y | | | ■ |
| | ■ Delta X, Delta Y | | | ■ |
| | ■ Delta X, Delta Y from point | | | ■ |
| | ■ Distance and direction | | | ■ |
| | ■ Distance and direction from point | | | ■ |
| | ■ Distance along feature | | | ■ |
| | ■ Distance/distance intersection | | | ■ |
| | ■ Bearing/bearing intersection | | | ■ |
| | ■ Constrain by length | | | ■ |
| | ■ Constrain tangent | | | ■ |
| | ■ Azimuth | | | ■ |
| | ■ Bearing | | | ■ |
| | ■ Parallel to | | | ■ |
| | ■ Perpendicular to | | | ■ |
| | ■ Place at offset | | | ■ |
| | ■ Deflection angle | | | ■ |
| | ■ Place orthogonal to | | | ■ |
| | Insert traverse | | | ■ |
| | Insert area by face | | | ■ |
| Insert interactive area by face | | | ■ | |
| Feature Edit | Change feature class | | | ■ |
| | Continue geometry | | ■ | ■ |

| Feature | Capability | GeoMedia Viewer | GeoMedia | GeoMedia Professional |
|---------------------------------|---------------------------------------|-----------------|----------|-----------------------|
| Feature Edit, cont. | Copy feature | | | ■ |
| | Copy parallel | | | ■ |
| | Delete feature | | ■ | ■ |
| | Delete geometry | | ■ | ■ |
| | Edit geometry | | ■ | ■ |
| | Fillet | | | ■ |
| | Geometry information | | | ■ |
| | Insert intersection | | | ■ |
| | Merge features | | | ■ |
| | Move | | ■ | ■ |
| | Partial delete | | | ■ |
| | Redigitize geometry | | | ■ |
| | Reverse direction | | | ■ |
| | Rotate | | | ■ |
| | Spin feature | | ■ | ■ |
| | Split features | | ■ | ■ |
| | Trim/extend | | | ■ |
| | Trim/extend to intersection | | | ■ |
| | Trim/extend two lines to intersection | | | ■ |
| Validation & Cleanup | Problem detection | | | ■ |
| | Problem correction | | | ■ |
| | Dynamic queued edit | | ■ | ■ |

| Feature | Capability | GeoMedia Viewer | GeoMedia | GeoMedia Professional |
|-------------------------------|---|-----------------|----------|-----------------------|
| Registration | Image display | ■ | ■ | ■ |
| | Image registration | | | ■ |
| | Vector transformation (rubber sheeting) | | | ■ |
| Attribute Manipulation | Bulk attribute update | | | ■ |
| | Calculate length, area, perimeter | | ■ | ■ |
| | Copy attributes | | | ■ |
| | Copy previous attribute values | | | ■ |
| | Data window | | ■ | ■ |
| | Default attribute values | | ■ | ■ |
| | Delayed attribution | | | ■ |
| | Picklists | | ■ | ■ |
| | Update attributes using text | | | ■ |
| | Read-only Data Servers | Access | ■ | ■ |
| ArcInfo binary | | | ■ | ■ |
| AutoCAD DWG, DXF | | | ■ | ■ |
| Esri shapefile | | ■ | ■ | ■ |
| FRAMME | | | ■ | ■ |
| MapInfo binary | | ■ | ■ | ■ |
| MGDM | | | ■ | ■ |
| MGE | | | ■ | ■ |
| Microstation DGN V7 | | | ■ | ■ |
| Microstation DGN V8 | | | ■ | ■ |

| Feature | Capability | GeoMedia Viewer | GeoMedia | GeoMedia Professional |
|--------------------------------------|---------------------|-----------------|----------|-----------------------|
| Read-only Data Servers, cont. | OGC GML | ■ | ■ | ■ |
| | OGC WFS | ■ | ■ | ■ |
| | OGC WMS | ■ | ■ | ■ |
| | Oracle Object | | ■ | ■ |
| | SmartStore | ■ | ■ | ■ |
| | SQL Server | | ■ | ■ |
| | Text file | | ■ | ■ |
| Read/Write Data Servers | Access | | ■ | ■ |
| | Oracle Object | | | ■ |
| | SQL Server | | | ■ |
| Export | AutoCAD DWG | | ■ | ■ |
| | AutoCAD DXF | | ■ | ■ |
| | Esri shape | | ■ | ■ |
| | MapInfo MIF | | ■ | ■ |
| | Microstation DGN V7 | | ■ | ■ |
| | Microstation DGN V8 | | ■ | ■ |
| | GML | | ■ | ■ |
| | Oracle Object | | | ■ |
| | Output to geoTIFF | | | ■ |
| | SQL Server | | | ■ |