GeoView™

Use sophisticated map layers in your application!

"GeoView is the foundation of our IPS display and GIS spatial database. The IPS software has several key features that were used on the U.S.S. Monitor recovery project. GeoView provided the ability to display georeferenced image files, vector map files and spatial query support."

John Kloske
Harbor Branch
Oceanographic Institution

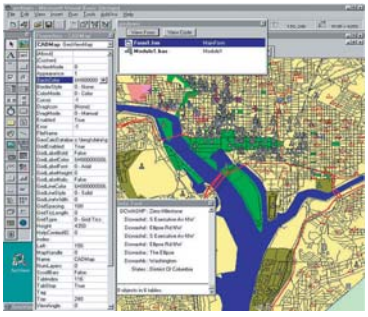
What is GeoView?
GeoView is a component for Windows developers who need to quickly embed mapping functionality in their applications. GeoView allows for a direct display of map layers, without data conversion. Built-in direct support is provided for standard vector and image layer formats including DXF, DWG, DGN, SHP, TAB, TIFF, BMP, JPEG, PCX and BSB Chart.

GeoView users include...

- *Arpege*
- *Honeywell*
- *Lucent Technologies*
- *MetaSolv Software Inc.*
- *Norkart AS*
- *Systems and Electronics*
- *Thales Navigation Inc.*
- *Veritas*

Flexible Distribution Licensing
Our business model provides the flexibility that you demand. Developers must complete a simple, two-page Agreement specifying the deployment of their application to end users.
A reasonable annual fee applies in exchange for unlimited distribution of your GeoView application, contact us for details!

How does GeoView work?
A GeoView map is a composite view of connected map layers, a dynamic overlay layer, and a grid layer. GeoView maps are displayed within an application parent window. GeoView allows you to control the map display properties including map center, map scale, map view angle and the view coordinate system.



"With GeoView, we found an open interface design, lightning speed, and most important, effective engineering support. Blue Marble really helped shorten the time to market for RASTrac!"

J. Manning
Manning NavComp

Technical Support
Annual subscription covers your development kit all year long!

Order Today!
You can order and download the GeoView from our web site at
www.bluemarblegeo.com
You can also order by calling
800.616.2725

How do GeoView layers work?
Directly connect map layers to a map without data conversion. Control all layer display properties including visibility and min/max view scale (zoom layering). Each map contains a special dynamic overlay layer that contain overlay objects (points, lines polygons, text, circles and arcs).

BLUE MARBLE GEOGRAPHICS®
The Geographic Software Tool Company

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Latitude 44° 13' 47.53" N Longitude 69° 46' 29.11" W

www.bluemarblegeo.com

Features

Coordinate system support

- 12,000 pre-defined systems
- Create custom systems
- over 165 Ellipsoids
- over 630 Datums

Use in many Windows Development tools

- C, C++,Visual C++,Visual Basic
- Borland C++, Symantec C++
- WatCom C++, FORTRAN
- Borland Turbo Pascal
- SQL Windows, Borland Delphi

Map Display control

- Grid type, color, line style
- Line width, label color, label font
- Label format, label size
- Bold labels, italic labels
- Approximate pixel grid width
- Approximate tic size

Data File Formats

Map File Formats

- AutoCAD DWG through R2000
- AutoCAD DXF through R2000
- ESRI Shapefile, SHP/DBF
- ESRI Atlas GIS, AGF/AIF
- MapInfo TAB, DAT/DBF

Image File Formats

- LizardTech MrSID (SID-read only)
- ER Mapper ECW (ECW-read only)
- TIFF (TIF)
- JPEG (JPG)
- CADRG/ADRG (read only)
- PNG
- BSB/KAP (read only)
- PCX
- TGA

Object/Image Functions

- GeoView_ObjectAdd
- GeoView_ObjectDelete
- GeoView_ObjectExists
- GeoView_ObjectsAdd
- GeoView_ObjectsDelete
- GeoView_ObjectType
- GeoView_GetImageInfo
- GeoView_ImageDeleteInfo
- GeoView_ImageGetType
- GeoView_ImageGetReferenceType
- GeoView_ImageGetPixelWidth
- GeoView_ImageGetPixelHeight
- GeoView_ImageGetExtents
- GeoView_ImageGetCoordSys
- GeoView_ImageGetResolution

Overlay Object Functions

- GeoView_OverlayObjectAddCoord
- GeoView_OverlayObjectAddCoordBulge
- GeoView_OverlayObjectAddCoordsBulges
- GeoView_OverlayObjectCopyFromLayer
- GeoView_OverlayObjectCopyToLayer
- GeoView_OverlayObjectCreate
- GeoView_OverlayObjectDelete
- GeoView_OverlayObjectDeleteCoord
- GeoView_OverlayObjectDuplicate
- GeoView_OverlayObjectGetArc
- GeoView_OverlayObjectGetCircle
- GeoView_OverlayObjectGetLabel
- GeoView_OverlayObjectGetLabelAlign
- GeoView_OverlayObjectGetLabelAngle
- GeoView_OverlayObjectGetLabelColor
- GeoView_OverlayObjectGetLabelCoord
- GeoView_OverlayObjectGetLabelFont
- GeoView_OverlayObjectGetLabelFaceName
- GeoView_OverlayObjectGetLabelSize
- GeoView_OverlayObjectGetLabelStyle
- GeoView_OverlayObjectGetLabelVisible
- GeoView_OverlayObjectGetClass
- GeoView_OverlayObjectGetCoord
- GeoView_OverlayObjectGetCoordBulge
- GeoView_OverlayObjectGetCustomArea
- GeoView_OverlayObjectGetCustomData
- GeoView_OverlayObjectGetCustomDataLen
- GeoView_OverlayObjectGetData
- GeoView_OverlayObjectGetDataLen
- GeoView_OverlayObjectGetFillStyle
- GeoView_OverlayObjectGetFillColor
- GeoView_OverlayObjectGetLineColor
- GeoView_OverlayObjectGetLineStyle
- GeoView_OverlayObjectGetLineWidth
- GeoView_OverlayObjectGetNumCoords
- GeoView_OverlayObjectGetPointBitmap
- GeoView_OverlayObjectGetPointColor
- GeoView_OverlayObjectGetPointSize
- GeoView_OverlayObjectGetType
- GeoView_OverlayObjectGetVisible
- GeoView_OverlayObjectHandleToIndex
- GeoView_OverlayObjectIndexToHandle
- GeoView_OverlayObjectInsertCoord
- GeoView_OverlayObjectInsertCoordBulge
- GeoView_OverlayObjectMoveFromLayer
- GeoView_OverlayObjectMoveToLayer
- GeoView_OverlayObjectSetArc
- GeoView_OverlayObjectSetCircle
- GeoView_OverlayObjectSetLabel
- GeoView_OverlayObjectSetLabelAlign
- GeoView_OverlayObjectSetLabelAngle
- GeoView_OverlayObjectSetLabelColor
- GeoView_OverlayObjectSetLabelCoord
- GeoView_OverlayObjectSetLabelFont
- GeoView_OverlayObjectSetLabelFaceName
- GeoView_OverlayObjectSetLabelSize
- GeoView_OverlayObjectSetLabelStyle
- GeoView_OverlayObjectSetLabelVisible
- GeoView_OverlayObjectSetClass
- GeoView_OverlayObjectSetCoord
- GeoView_OverlayObjectSetCoordBulge
- GeoView_OverlayObjectSetCustomArea
- GeoView_OverlayObjectSetCustomData
- GeoView_OverlayObjectSetData
- GeoView_OverlayObjectSetFillStyle
- GeoView_OverlayObjectSetFillColor
- GeoView_OverlayObjectSetHandle
- GeoView_OverlayObjectSetLineColor
- GeoView_OverlayObjectSetLineStyle
- GeoView_OverlayObjectSetLineWidth
- GeoView_OverlayObjectSetPointBitmap
- GeoView_OverlayObjectSetPointColor
- GeoView_OverlayObjectSetPointSize
- GeoView_OverlayObjectSetVisible
- GeoView_OverlayObjectsCopyFromLayer
- GeoView_OverlayObjectsCopyToLayer
- GeoView_OverlayObjectsMoveFromLayer
- GeoView_OverlayObjectsMoveToLayer
- GeoView_OverlayObjectUpdate

Map Functions

- GeoView_MapClose
- GeoView_MapConvertCoordinates
- GeoView_MapCopyToClipboard
- GeoView_MapCreate
- GeoView_MapGetExtentArea
- GeoView_MapGetMapCoordSystem
- GeoView_MapGetNumLayers
- GeoView_MapGetProperties
- GeoView_MapGetViewArea
- GeoView_MapGetViewCenter
- GeoView_MapGetViewCoordSystem
- GeoView_MapGetViewScale
- GeoView_MapOpen
- GeoView_MapPaint
- GeoView_MapPrintView
- GeoView_MapRedraw
- GeoView_MapSetCursor
- GeoView_MapSetProperties
- GeoView_MapSetViewCenter
- GeoView_MapSetViewCoordSystem
- GeoView_MapSetViewScale
- GeoView_MapSetWaitCursor
- GeoView_MapSize
- GeoView_MapSubclass
- GeoView_MapUpdateExtentArea
- GeoView_MapWindowHandle
- GeoView_MapWindowToWorld
- GeoView_MapWorldToWindow

Layer Functions

- GeoView_LayerConnect
- GeoView_LayerConvert
- GeoView_LayerCoordSys
- GeoView_LayerDisconnect
- GeoView_LayerExists
- GeoView_LayerExtent
- GeoView_LayerGetProperties
- GeoView_LayerGetVisible
- GeoView_LayerHandleToIndex
- GeoView_LayerIndexToHandle
- GeoView_LayerObjectCounts
- GeoView_LayerOrder
- GeoView_LayerSetProperties
- GeoView_LayerSetVisible
- GeoView_LayerType
- GeoView_SetLayerConvertCall

BLUE MARBLE GEOGRAPHICS
Where GIS Data Conversion Solutions are Born

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