RVCONNECT™
GIS Interoperability

RVConnect™ is a powerful extension offering geospatial intelligence analysts real-time interoperability between RemoteView™ and the industry leading GIS application: Esri's ArcGIS™.

RVConnect provides integration between the two applications by enabling data and geospatial analysis workflows to be shared across both applications. By synchronizing image and feature data between the two applications, analysts can leverage the strength of each tool and become much more efficient.

Interoperability can be initiated from within either application, allowing analysts to work within their more familiar application.

With RVConnect, typical users are able to reduce redundant tasks by up to 30%. This includes tasks required for exporting and importing of data to be shared across RemoteView and ArcGIS. These efficiencies help to substantially reduce analysts' workloads and time required for intelligence decision making.

RVCONNECT PROVIDES USERS OF REMOTEVIEW AND ARCGIS THE FOLLOWING REAL-TIME CAPABILITIES:

- Automated orthorectification and loading of images to ArcGIS
- Simultaneous sharing of vector layers and images
- Synchronized viewers and navigation within RemoteView and ArcGIS
- Automated sharing of layer symbology and visibility
- Directly load data from Esri Geodatabase feature classes into RemoteView
- Synchronization of vector geometry and attribute modifications

textronsystems.com

TEXTRON Systems

SYNCHRONIZED VIEWERS

Viewers in RemoteView and ArcGIS may be synchronized, enabling both systems to display the same AOI and associated imagery. By linking the center, zoom level, and rotation of the view extent in both applications, the view center in the one application is automatically updated as the user navigates in the other application.

GEODATABASE SUPPORT

RVConnect further extends the capability of RemoteView by giving users the ability to add and edit Esri enterprise, personal and file Geodatabase feature classes.

AREA OF INTEREST (AOI) DISPLAY

RVConnect enables analysts to coordinate locations and provide context to AOIs displayed within RemoteView and ArcGIS. The RVConnect 'Display AOI' function will draw the view extent from one application to the viewer of the other application.

SHARED CROSS-APPLICATION FUNCTIONALITY

RVConnect enables numerous cross-application functions to be shared, resulting in more robust and efficient GEOINT analysis through the combined capabilities of RemoteView and ArcGIS. Examples of cross-application sharing include:

- Vector Editing
- Layer Symbology
- Layer Visibility
- Feature Selection
- Data Sharing

VECTOR LAYER TEMPLATE CREATION

RVConnect allows users to create empty vector layers from pre-configured templates and automatically synchronize vector geometry modifications, layer symbology, and attribute information.

NAVIGATION COMMANDS

RVConnect allows users to re-center and 'zoom in' or simply re-center in both applications with a single selection from the context menu.

CUSTOMIZED SETTINGS

Analysts are able to configure the system to better match geospatial analysts' workflows and preferences. For example, analysts may want to configure updates to view extents such that ArcGIS could follow changes made in RemoteView, but RemoteView's extent would remain unchanged if changes were made in ArcGIS. Custom configuration settings are associated with each user allowing individual analysts to configure the system to suit their specific needs.

DYNAMIC IMAGE SERVICE

RVConnect includes a dynamic image service which automatically orthorectifies images as they are loaded into ArcGIS. This service enhances the usability of ArcGIS by ensuadring that each image is correctly loaded. Common image types used in the Defense and Intelligence community are supported (e.g., NITF, NTM and TFRD).

KEY FEATURES

KEY FEATURES	BENEFITS
Simultaneous sharing of vector layers and raster images	Eliminates redundant workflow processes by viewing shared data in real-time in both applications
Automated sharing of layer symbology and visibility	Improves efficiency by reducing the time it takes to display and update layer symbology and visibility
Loading data from enterprise geospatial databases directly into RemoteView	Leverages Esri's Geodatabase feature classes to improve quality of product output in RemoteView
Dynamic sharing of modifications and changes to feature geometry and attributes	Increases analysts' efficiency and decision making ability by reducing the time it takes to produce and publish products

Textron Systems
Geospatial Solutions
21660 Ridgetop Circle
Suite 110
Sterling, VA 20166
800-937-6881

TEXTRON Systems