



# RouteScout for FalconView/TalonView

RED HEN SYSTEMS, INC.

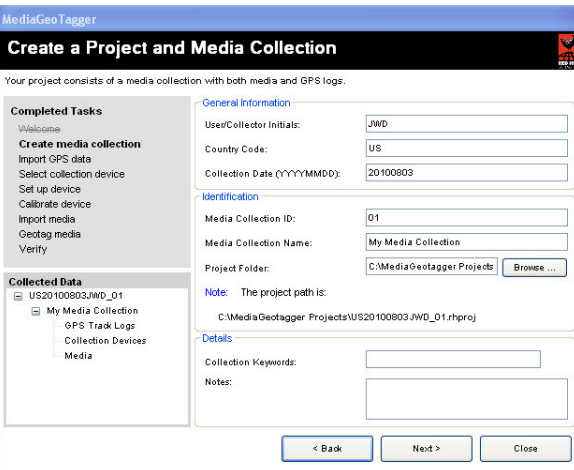
**Spatial Multimedia...  
Everything Else Is  
Just A Movie**

- RouteScout Helps Identify Threats and Manage Risks**
- Improve access to critical decision-making information
  - Simplify data recall and analysis
  - Eliminate hours of video review and post processing

## Product Overview

RouteScout is a plug-in that extends the functionality of the FalconView mission planning and mapping environment by enabling new mission planning methods that exploit geo-spatial ground imagery and other multi-media. The objective of RouteScout is to facilitate the communication of detailed, relevant, audio visual information about a specific route or place from war fighters that are familiar with the location, to those that are not.

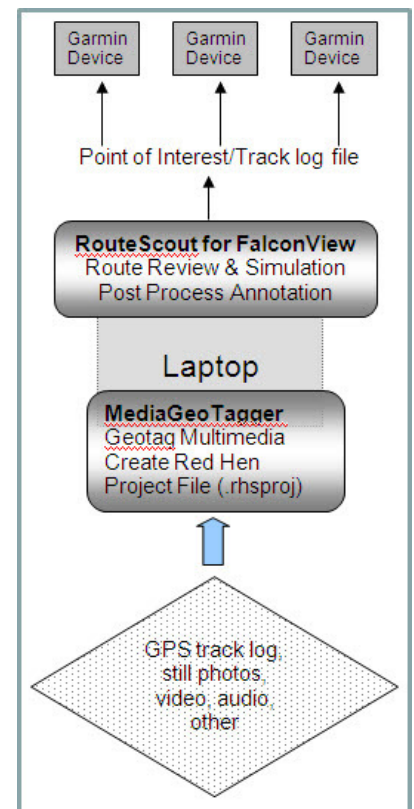
The RouteScout application accepts files with a specific form of geotagged media. A companion software, Red Hen's MediaGeoTagger, is provided to geotag video, photos and audio media, typically that is collected by handheld devices.



*MediaGeoTagger geo-tags video, audio and photos collected with COTS hardware and prepares it for use in the FalconView where the RouteScout plugin is installed.*

RouteScout leverages this media in the context of a map so as to provide situational awareness of the immediate surroundings or upcoming points of interest along a route. Utilizing RouteScout's Look-Ahead Video Awareness (LAVA) feature, presentation of the media can be driven by GPS so that media items are shown in a designated proximity to the user's current location. RouteScout also allows for the exporting of photos and audio as GPX data to commercial off-the-self (COTS) personal navigation devices, including Garmin NuviFones, Nuvis, and Colorados.

**Introducing  
RouteScout for...**



## Typical Workflow



### Typical Uses

- Convoy Management
- Disaster Response
- Before and after imagery (damage assessment)
- UAV Patrol Video
- Mission Reconnaissance
- Narcotics Interdiction

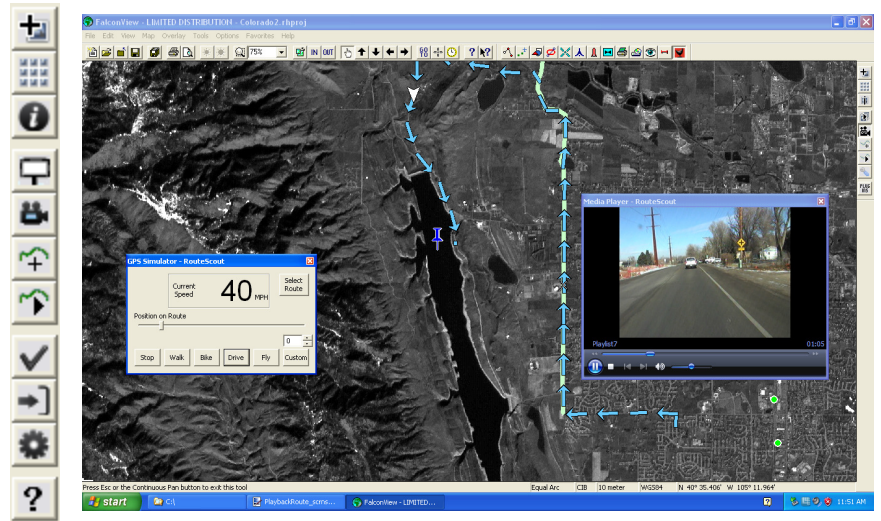
### Key Features

- Import geotagged video, photos and audio
- In-mission Look-Ahead Video Awareness (LAVA)
- Route simulations from previously collected video, photos and audio commentary
- Photo and audio point-of-interest (POI) output to Garmin devices (Nuvi & NuviFone G60/A50)

# RouteScout for FalconView/TalonView



RouteScout functionality is accessed within FalconView via the tool bar (right). The icons in the tool bar bring unprecedented functionality to the mission planning software (below).



Icon	Name	Description
	<b>Add Media</b>	Add photos, videos, or audio to the overlay.
	<b>Thumbnail Viewer</b>	Displays small images of all photos associated with articles of interest on the overlay.
	<b>View Photo Information</b>	Shows details about selected photo, such as latitude, longitude, altitude, etc.
	<b>Turn On/Off "Bill-boarding"</b>	Displays photos or plays audios associated with articles of interest as you approach them on a route.
	<b>Turn On/Off Video Look-Ahead</b>	Displays video of the route ahead of you in real-time.
	<b>Add New Route</b>	Add a new route to the overlay.
	<b>Simulate Route</b>	Simulate traveling through the route (display photos, video, audio associated with route).
	<b>Show Options</b>	Display or change options associated with using RouteScout.
	<b>Export Data</b>	Export GPX data (points of interest) to a folder.
	<b>Show/Hide Red Hen Applications</b>	Display a list of additional RouteScout applications you can use.
	<b>Help</b>	Access the User Guide, get information about the software version, and contact support.

## System Requirements

Item	Requirement
Disk space	2+ GB (varies with the number of maps and video stored)
Memory	0.5 GB
Operating System	Windows XP Professional
Software	FalconView 4.01, TalonView, and/or Garmin POI Loader
COTS Data Collection & Output Hardware	Garmin Foretrex 301, Sony Digital Voice Recorder ICD-PX820, Canon Vixia HFS100, Nikon D300s, Garmin Nuvi765, Nuvifone G60/A50

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