



SAR Technology Inc.

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Online Image Recognition for the SAR Responder

<http://www.sartechnology.ca/imagerecognition/>



‘Searchlight Image Locator’ can rapidly scan thousands of mission images to find the target object – including missing Persons, Vehicles, Vessels, Aircraft, Helicopters, etc..

Using advanced image recognition technology ‘Searchlight Image Locator’ can dramatically speed-up weeks of laborious manual image reviewing into a high-speed, computerized process - that can now rapidly scan many thousands of images an hour.



Images taken by drones, from helicopters, aircraft, security cameras, smart-phones – even high resolution satellite images – can all be rapidly scanned to find the target object.

Images can be directly uploaded to the Searchlight Image Locator’ website and scanned by any of ten specific target categories, including:

- Persons Outdoors.
- Vehicles Off-Road.
- Crashed Aircraft.
- Crashed Helicopters.
- Shipwake (Vessels).
- SOS.
- Color (including multiple color shades).
- Apparel/Clothing.
- Textures/Patterns.
- General Images (including over 11,000 categories).

The scanned images are automatically sorted to display those most closely matching the target image – removing the need to manually review thousands of submitted images – and dramatically increasing the speed of searching for the target object.

Image ID	Category	Confidence	Score	Device	Date Taken	Date Modified	Coords	Altitude	Direction	Speed
Image #14: PersonInNature130_MR1.jpg	Persons Outdoors	99.96%	Persons 99.95%	Not Available	Not Available	Sat Mar 06 2021 14:44:57	Not Available	Not Available	Not Available	Not Available
Image #17: PersonInNature134_MR1.jpg	Persons Outdoors	99.96%	Persons 99.95%	Not Available	Not Available	Sat Mar 06 2021 14:41:08	Not Available	Not Available	Not Available	Not Available
Image #13: PersonInNature126_MR1.jpg	Persons Outdoors	99.95%	Persons 99.95%	Not Available	Not Available	Sat Mar 06 2021 14:48:10	Not Available	Not Available	Not Available	Not Available
Image #16: PersonInNature133_MR1.jpg	Persons Outdoors	99.92%	Persons 99.92%	Not Available	Not Available	Sat Mar 06 2021 14:42:09	Not Available	Not Available	Not Available	Not Available



Benefits of 'Searchlight Image Locator'

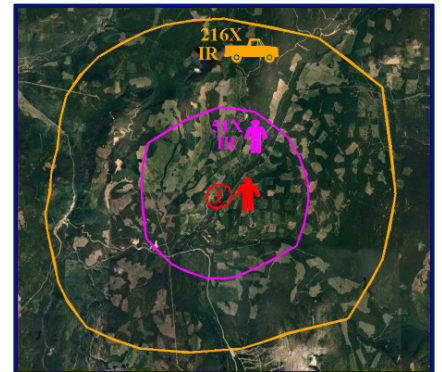
There are many benefits to the SAR mission from 'Searchlight' image recognition searches - when the responder conducts Image Recognition Flights <http://www.sartechnology.ca/imagerecognition-flightplans/> and follows Image Scanning Guidelines <http://www.sartechnology.ca/sartechnology/searchlight/Guidelines.htm>



These benefits include:

1. Enhanced Capability for the search responder.
2. Major Increase in Search-Area Size (50-200 times).
3. Double the Area Coverage - 2X compared to visual search.
4. Increased Target Detection – up to 6X¹ compared to visual search.
5. 'Searchlight' Detects Rotated or Partially-Visible objects.
6. Increased Responder Safety - for dangerous terrain.
7. Permits brief mission 'Windows of Opportunity'.
8. Permanent Record of the search area coverage.
9. Second opportunity to review and scan all the mission imagery.
10. Ability to scan thousands of images per hour.

1. Up to 6 times increased detection with image scan and review.



For more information please contact:



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