



Image Scanning Software

Developed to Search for People and Objects Quickly and Effectively.
Once Lost, Now Found!

Loc8 Basic is a powerful software solution designed to analyze digital imagery collected from drones, manned aircraft, and even terrestrial cameras. Loc8 (Basic and Pro Versions) uses its patent-pending algorithms to analyze JPG images, at the individual pixel level to detect specific colors based upon user-defined targets.

The Loc8 user has several options to define their desired color palettes, including sampling of existing images, creating user-defined manual color definitions, or by using the application's automated color classification functions (**only available in Loc8 Pro**). Once defined, the color palettes can be saved and recalled for later use during future missions. Additionally, the saved color palette files can be cataloged and shared with other Loc8 users.

With embedded geo-referencing becoming commonplace in aerial imagery, Loc8 displays the geographical location(s) (**latitude, longitude and altitude**) of the detected color target(s).

Depending upon a computer's specifications, Loc8 can scan and process images at the rate of **two images per second**. Loc8 is currently designed to run on both Windows and Mac operating systems. Loc8 was designed for field operations and does not require an Internet connection to function.

The Loc8 "Viewer" allows for quick verification of identified targets by easily zooming into each identified target with a single key stroke. Once viewed, the user/analyst can easily "Flag" each image as a potential target or "Archive" each image for evidence collection for detailed documentation of the mission.

Loc8 Basic Features:

- Powerful image analysis software that uses patent-pending color detection algorithms to rapidly scan digital images looking for user-defined colors.
- User definable color palettes can be saved, reused and shared with other Loc8 analysts.
- Loc8's geo-location tools display the latitude, longitude and altitude of each scanned image.
- Loc8's geo-location is reported in both Standard Degrees-Minutes-Seconds and US National Grid (USNG) coordinate systems.
- When connected to the Internet, Loc8 can integrate the images locations with Google Maps.
- The user can Flag or Archive images for cataloging, storage and sharing with Incident Command (IC) and/or ground forces.
- Built-in tools, such as, "Pixel Color Clustering" to help minimize false positives.

www.loc8.life

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Loc8 Pro offers additional processing features, plugin utilities and out-put reports to make image processing, detection analysis and data distribution, more efficient, easier, and faster.

Loc8 Pro offers all the functionality of **Loc8 Basic**, but is enhanced with the following additional features:

- **Cluster Alarm** — Alerts the user when too many (False Positive) targets are identified in an image.
- **Automated Search** — Enables the user to set the color palette to a very narrow range and set the Loc8 Automated Search feature to expand the color parameters incrementally based on user defined limits.
- **Color Sweep** — The Color Sweep further enhances Loc8's automated search features. The Color Sweep allows the user to lock any one of the three (Red-Green-Blue) color values to a single, user-defined value and allows the user to automate Loc8 to incrementally adjust the remaining "unlocked" color values either up or down along their respective color ranges.

Additionally, **Loc8 Pro** offers the following **Loc8 Pro Plugin** utilities to expand Loc8's core functionality. With **Loc8 Basic** all plugin utilities must be operated independently. However, with **Loc8 Pro**, the plugins are integrated into the core application.

1. **GPS Extraction** — If available, Loc8 Pro can extract all GPS information and produce a KML, KMZ, CSV, GPX or a GeoJSON file for use in 3rd-party mapping applications, like Google Earth.
2. **VideoSlicer** — This utility extracts still images from video files for Loc8 Pro to scan and process. The user defines the desired time interval, in milliseconds, to extract the still frames from video files. Additionally, when available, the VideoSlicer assigns the geographical location(s) (latitude and longitude) for each still image.
3. **Focus** — The user can select which images in a specific search area to scan and process by drawing a "lasso" around the desired target area(s). Only those images within the "lasso" will be scanned and processed by Loc8 Pro.
4. **RapidScan** — To increase efficiency and reduce processing time, the user can programmatically select every 3rd or 4th image in a file to be processed. The selection of which images to scan is based upon the amount of overlap captured in each image during the data collection process. RapidScan reduces the number of images to be scanned without compromising the percentage of the search area covered.
5. **Conversion** — Loc8 Pro can take an input file in CSV, KML, KMZ, GPZ, GeoJSON format and convert it to other 3rd-party geo-referenced file formats.

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Pricing for Loc8 Basic, Loc8 Pro and Loc8 Plugins

<u>Loc8 Basic</u>	Loc8 Pro	Loc8 Plugins
<p>\$45 /Mo</p> <p>Loc8 Basic - Monthly License</p>		<p>\$449 /Yr</p> <p>Loc8 Basic - Annual License</p>

Loc8 Basic	<u>Loc8 Pro</u>	Loc8 Plugins
<p>\$70 /Mo</p> <p>Loc8 Pro - Monthly License</p>		<p>\$749 /Yr</p> <p>Loc8 Pro - Annual License</p>

Loc8 Basic	Loc8 Pro	<u>Loc8 Plugins</u>
<p>\$10 /Mo</p> <p>Addon Plugins - Monthly License</p>		<p>\$99 /Yr</p> <p>Addon Plugins - Annual License</p>

**Loc8 Plugins can be run separately (operate independently of Loc8) or can be integrated into Loc8 Pro*

All pricing is as of 05/15/2020 for Loc8 V.2.48

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