

nSight™ is an innovative image visualization and assessment software program that provides threat analysis assistance for EOD and IEDD applications.

nSight operates within existing bomb squad x-ray acquisition and image processing applications through a DLL that allows API calls for automated image processing, operations and integration. Because the nSight software has been designed to process existing x-ray images, no changes in procedures are required during image acquisition.

The enabling technology incorporated into nSight is a process called *Signature Mapping™*. *Signature Mapping* is a powerful series of image processing algorithms that effectively characterize the properties of materials in x-ray images. *Signature Mapping* can generate unique signatures or “fingerprints” for each object in an image even when two or more materials appear to be identical in density, shape and brightness values.

nSight incorporates six Signature Mapping algorithms. Each processed image represents a mathematical transform of the original X-ray image that has been optimized to help the user identify and distinguish between differing characteristics of threat and non-threat materials. The processed images include both grayscale and color.

Benefits

Current checkpoint security remains challenged by the following obstacles:

- **Sheet Explosives.** nSight reveals very subtle changes in the xray that help distinguish sheet explosives from the background.
- **Liquids.** nSight will distinguish the properties of different liquids.
- **Organic Explosives.** nSight is optimized to display organic explosives that are dense or appear darker in the image because of overlap with other materials. Additionally nSight will display organic explosives that are thin or appear lighter in the image because of poor exposure.
- **Pipes.** nSight will enhance details in dark parts of the image, such as those which result from under-exposed or very dense objects.
- **Texture.** nSight enhances the textual details of the image, such as compact structures versus granular material.

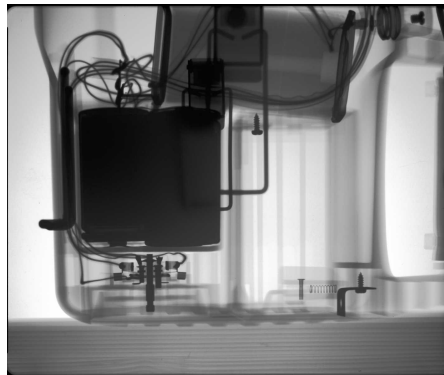


Image Without nSight

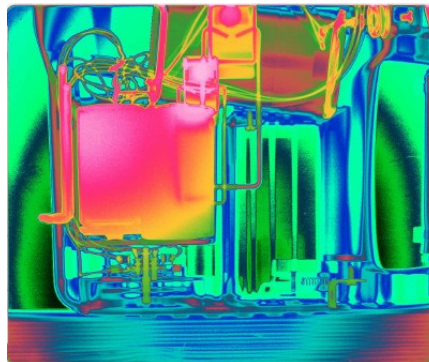


Image With nSight

ABOUT GUARDIAN

We are a publicly-traded company listed under the trading symbol – GDTI.OB. We are innovators of groundbreaking imaging informatics technologies with critical and immediate applications for the healthcare and homeland security markets.

The impact of Guardian's industry-first computer-aided-detection technologies is immediate and profound for helping to eliminate human error in the decision-making process. Our software solutions can be seamlessly installed to compliment existing imaging devices, such as baggage scanners and medical MRI, to scan the contents of any image and immediately identify items of interest not easily discernable by the human eye.

In a world of expanding dependence on imagery, increasing investment in the production of more and higher quality images, the human factor remains the consistent and limiting factor in image analysis. Guardian provides the automated analysis and detection technology to significantly reduce 'false positives' and improve detection to levels not previously thought possible.

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image visualization

nSight PERFORMANCE BENEFITS

Bomb squad members can quickly and easily compare materials in a field X-ray with an nSight atlas consisting of previously processed representative threat and non-threat materials accessed by shape, object properties and material types

Lookups to specific material pages in three categories: Threats, Associated and non-threats. Each material page will display the original image and six images from the nSight processes (Dark, Detasheet, Light, Liquids, Pipe and Texture). In many cases there will also be a photograph of the objects and nSight interpretation notes.

Atlas Materials

Threat Materials	Associated Materials	Non-Threats
Ammonium Nitrate Black Powder Blasting Cap Booster C4 Compound B Detacord Detasheet Diesel Fuel Dynamite Emulsion Explosive Potassium Perchlorate Pyrodex Semtex Sheet Explosive Smokeless Powder TNT Tovex	Cell Phone Clocks/Timer Pipe PVC Wire	Bread Body Wash Conditioner Bar Soap Gatorade Hersheys Bars Honey Peanut Butter Shampoo Snickers Toothpaste Water Wood

MINIMUM COMPUTER REQUIREMENTS	INTERNATIONAL PARTNERS
<ul style="list-style-type: none"> Intel Pentium 4 Chipset (newer than 845) Pentium 4 CPU – clock speed of 3.0 GHz or higher 100GB, 8MB Cache Hard Drive or higher ATAPI/IDE CD-ROM Drive 1GB DDR400 RAM or higher 10/100 Ethernet Network Interface Card 16MB Video Card or higher USB port(s) 	<p><u>Equipment Manufacturers</u></p> <p>Logos Imaging LLC +1 (765) 939 4044 www.logosimaging.com</p> <p><u>Distributors</u></p> <p>EGC Informatics, Inc. - Latin America & the Caribbean +1 (305) 377-0121</p> <p>International Threat Detection Systems - Europe</p> <p>NAST - Russia & CIS Countries +7(926) 245-0456 www.nastrussia.ru/nbar.htm</p>

