



EOD Detection in Record Time with Digital Radiography



- **100% Portable X-ray Systems in Backpack**
- **Top-Quality Image Acquisition in Seconds**
- **Hours of Battery Powered Field Option**
- **Thin, Robust Digital Flat Panels and CCD Systems**
- **Superior Penetration - Up to 80mm of Steel**
- **Safe Operation, Single Approach**

Detecting and Neutralizing Security Threats in the Field

With security threats ever on the rise, the ability to meet the challenge of bomb detection in the field depends upon the combination of a cutting-edge technological solution, the bomb tech's skillfulness, and a fast detection method. Time is critical when it comes to the detection and identification of bombs. Vidisco systems offer fast and safe operation, providing top-quality, high-resolution images within seconds, thereby enabling informed decision making on the spot.

Vidisco's portable digital X-ray systems offer the optimal solution when dealing with modern day EOD's and IED's: Completely portable, each of these ruggedized systems can be carried by a single bomb tech into the roughest terrain, and operated seamlessly in sub-zero or high temperatures.

100% battery operated, Vidisco portable X-ray systems can run without electricity for over 5 hours in the field, and can draw power from a standard car inverter, enabling unlimited operation. In addition, Vidisco's systems can function on a single cable, transferring both power and data down the line to the imager in the field. A powerful wireless system allows a 300m to 1500m line of sight range. All this means that only a single approach to the suspicious object is required by the operator. Many times an approach can be avoided altogether - Vidisco's array of imagers can be integrated with leading EOD ROV's.

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Vidisco's **XR-De Plus** module enables the detection of explosives on site even under metallic layers with the unique "Probe" function. This Dual Energy detection can be performed on a vehicle, package or any other item under inspection. Within seconds, the operator can view the organic/inorganic substances in different colors on display. Vidisco is the only company to offer a proven Dual Energy module for pulsed X-ray.



XR-DE Plus Dual Energy Module



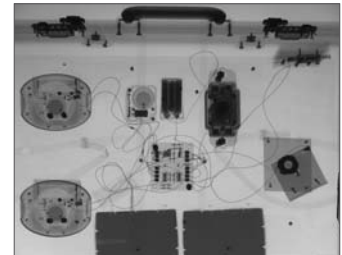
Dual Energy IED



IED Can

Vidisco's Advantages in the Field:

- Up to 16 bit dynamic range (16,384 grey levels)
- High resolution (up to 3.97 lp/mm)
- Top-quality image acquisition within seconds
- Safest portable X-ray sources with short exposure time and low X-ray dose
- Super thin a-Si panels that fit into tight places
- Special extreme temperature configuration (-20°C to + 40°C, -4°F to + 104°F)
- Plug & Play between the entire array of Vidisco imagers



Bomb in Briefcase

Xbit

The Xbit user-friendly, especially developed software includes outstanding enhancement tools enabling the best quality of analysis, documentation, data sharing and results.

- **800% Zoom** - 800% zoom exposes extra fine details with no digitizing effect.
- **Automatic Window Leveling** - Automatic leveling tool enables the viewer to see grey levels that were not visible in the original image view.
- **Automatic Sharpening** - This tool sharpens the image, making even the thinnest wires visible. Sharpening without distortion.
- **Automatic Stitching** - Digital stitching of several images into a seamless large image. fine details with no digitizing effect.
- **Auto Subtraction** - This tool enables automatic comparison and detection of differences and hidden objects when studying two seemingly identical images.