



## SEAPORT PERIMETER SECURITY

Sea ports are the arteries through which international commerce flows. In 2002, we saw the effect a port labor strike has on international business, agriculture, shipping lanes and transit. Losses at a single port were estimated at \$2 billion a day. A terrorist attack would compound those effects exponentially. The threat of a small vessel carrying an explosive and detonating the device within a port is real. A terrorist with a weapon of mass destruction approaching a perimeter with the intent of destroying commercial traffic lanes is a credible threat. Comprehensive maritime security is needed.



NEW THREATS.  
NEW THINKING.

Port security presents unique protection requirements that go beyond the standard issues associated with perimeter security. Land and water based vessels, foot and vehicle traffic, the amount of critical assets and the sheer number of people create a complexity of issues that must be resolved in order to provide a high level of security to personnel and critical assets.

The variable weather conditions associated with a seaport generate additional complexities. Security and surveillance hardware must overcome the rain, fog, heavy mist and glare inherent to the land and water based security environment of a seaport.

ICx Technologies addresses these issues and has developed the hardware solutions that can protect seaports from potential subversive acts. Our integrated subsystems provide reliable surveillance, increased interoperability and expand the abilities of command and control stations. As a single supplier, ICx provides a security solution that can detect, track and identify intruders, with a net result of reduced false alarms.



## TOTAL HARDWARE SOLUTION

ICx develops and manufactures advanced surveillance products designed to seamlessly interface with one another as well as legacy 3rd party digital and analog hardware. Through this integrated suite of sub-systems, overall integration costs are significantly reduced.

## PROVEN TECHNOLOGY

ICx focuses on advanced technology solutions. These sub-systems have been successfully deployed at both military and commercial enterprises around the world, such as the Port of Baltimore and George Bush Intercontinental Airport in Houston.

## ALL WEATHER CAPABILITY

ICx thermal imaging cameras can see in total darkness and almost any weather condition, including fog and rain. With the VisionSense™ capability to overlay CCD and thermal images in real time, the system has the ability to see through glass and glare.



## ADVANCED CONTROL SOFTWARE

ICx command and control software enables straight-forward integration of both digital and analog security hardware – easily tying together multiple terminals or even multiple ports. It's point and click interface requires little training in order to control numerous cameras or radars, or to focus on a single piece of hardware and analyze its image.

## DETECTION AND ASSESSMENT

Through our integrated ground radar and slew-to-cue camera solutions, a single security official can now manage multiple wide area perimeter zones. The system can immediately detect intruders and monitor their progress, allowing security personnel to assess and identify the potential threat and take the appropriate action.

## CASE STUDY

### Vancouver Port Authority, British Columbia

ICx command and control software is deployed in the centralized command and control center to monitor and control all devices and systems, including over 100 video cameras, through a single consolidated user interface. The software underpins a comprehensive, integrated security system to monitor, control and ensure safe, secure and efficient vehicular access to the Port's terminals and facilities. Each of the four control zones includes security and surveillance equipment, traffic control systems, dynamic electronic signing and immediate consequence devices.

The entire line of ICx radars and advanced thermal imaging cameras have been designed for seamless plug and play integration. Each piece of hardware can work stand alone or as a part of a sophisticated security and surveillance package.



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