Port Security and Operations

IVC video systems have been in use by the Port Authority of the Cayman Islands for security and monitoring of operations since 2004. The Port Authority is responsible for both freight and passenger ship operations at the Port of Grand Cayman, one of the busiest cruise ship ports in the Caribbean. The first seven cameras were installed only a few weeks before Hurricane Ivan, a category 5 storm that devastated the island.

Today, the video system has been expanded to more than 50 cameras, including the original cameras that survived the hurricane, deployed at several facilities.

The Port Authority monitors operations at three locations:

1. Cruise ship docks and terminal where more than a million passengers disembark annually

2. Freight /container terminal, also located at the port

3. An inland facility where containers are received and stored and the Authority's main administration building is located.

Since the cruise ship and freight docks are located in the center of town, an inland facility is used as a warehousing and container storage area. Container and freight ships share the same docks with passenger ships. There could be a half dozen cruise ships in port during the day, so all freight ships dock and are serviced at night to avoid congestion.

The size and scope of the IVC video system has grown as the Port Authority has expanded its computer network, increased the sophistication of its operations, and responded to the demand for increased security and monitoring of operations. Primary uses of the cameras include:

• Monitoring the flows of passengers on and off the docks, through the terminal and into town

• Providing perimeter security at both the port facilities and the inland site

• Monitoring the movements of containers and heavy equipment – including assuring safety

• Insuring procedures are adhered to and critical operations are carried out (For example, a camera is trained on the area where refrigerated containers are stored to assure they are plugged in when unloaded from trucks or moved)

• Monitoring freight being loaded into trucks at the warehouse

• Overall monitoring of warehouse operations

• Tracking all traffic through gates entering and exiting the facilities

• Viewing the reception area where office staff interacts with freight customers

IVC's cameras and camera management software are flexible, allowing for rapid deployment and expansion within a new or existing surveillance system.