

Continuous Surveillance and Monitoring During Day or Night Under Any Conditions: The Port of Corpus Christi, Texas, Case Study

The Port of Corpus Christi Protects and Monitors Using a CohuHD 6960 Series Full spectrum Camera Integrated with Both Day/Night and Thermal Cameras

Challenge

The Port of Corpus Christi requires professional-grade surveillance solutions designed for at-risk facilities where detection under nearly any condition is imperative. This project was initiated to replace a leading competitor's positioner (PTZ) camera that had failed as a result of prolonged exposure to the marine environment.

CohuHD's cameras were the clear solution. The Port has had a long relationship with CohuHD, and has benefitted from the reliability, durability and ruggedness that characterize our cameras.

Requirements

- Deliver high-quality video in real-time, 24/7
- See day and night, through fog, rain and very low light conditions
- Operate continuously in harsh, corrosive waterfront conditions
- Enable safeguarding critical port assets and infrastructure from theft, loss and damage



The Port of Corpus Christi is the fifth-largest port in the United States and features a straight 45-foot-deep channel

Solution

The Port requires a video surveillance solution that provides early detection as the first line of defense, and forms a platform that enables Port personnel to prevent security breaches by proactively identifying threats during the day and, especially, at night. The cameras need to provide excellent visibility in very low-light, through rain, snow and fog and at night, with continuous operation in the salty sea air. CohuHD cameras offer superior optics, day/night operation, visible light and thermal imaging, and rugged pan-tilt construction, providing the most reliable, cost-effective, and highest-performing solutions available.

After a thorough needs assessment, CohuHD recommended their exclusive 6960 IP67 dual-head surveillance camera, configured with a visible light day/night head and a thermal imaging head. The 6960 provides proven durability and the rugged construction needed to withstand the rigors of any maritime application.

6960 Dual Imaging Positioner Camera

- Sealed and nitrogen pressurized enclosure, guaranteeing protection against corrosion
- Fast and accurate positioner (PTZ)
 - Ability to look straight down and in a 360° sweep
 - Increased field of view, allowing fewer cameras to cover the same area
- Two cameras in one system
 - Day/night camera with integrated lens
 - Sharp color images in daylight
 - Automatically switches to a high-sensitivity monochrome mode at night
 - Thermal imaging camera



CohuHD's 6960 features dual camera heads for monitoring in all conditions

Read more: [6960 Day & Night video surveillance camera](#)

Results

CohuHD's 6960 rugged, reliable camera solution provides reduced total cost of ownership by virtually eliminating repair costs and freeing valuable resources. The reduced down time increases security effectiveness, enabling the Port to maintain shipping traffic flow, even in low-light and foggy conditions. The added security is reflected in reduced theft, decreased accidents, and reduced congestion that leads to delays. The result is a reduction in pollution, increased throughput and faster shipping.

About The Port of Corpus Christi

The Port of Corpus Christi is the fifth-largest port in the United States in total tonnage. Port Corpus Christi is located on Corpus Christi Bay in the western Gulf of Mexico, with a straight 45-foot-deep channel providing quick access to the Gulf and the entire United States inland waterway system. For 86 years the Port of Corpus Christi has offered shippers a profitable alternative to the crowded roads of trade. The Port of Corpus Christi prides itself in its position as a maritime leader. One of its important operational goals is to have a cutting-edge video surveillance system.¹

The Port of Corpus Christi handles a wide variety of cargo, including oil, petrochemical, and military and general goods, from around the world in their state-of-the-art dock and container facility.

Facilities key features:

- World-class security
- Dockside rail and truck access
 - Outstanding access to highways
 - Available heavy lift
 - Fabrication & storage: 125+ acres
 - Covered dockside storage: 300,000 square feet

<http://www.portofcorpuschristi.com/>