



Toshiba Hybrid Surveillance System Helps Protect Oceanfront Luxury Condominiums

When Henry Morrison Flagler came to Palm Beach in the late 1800s, he discovered an idyllic, sun-drenched paradise replete with lush palm trees, sandy beaches and balmy ocean breezes. The wealthy railroad magnate envisioned the island as a private playground for affluent Northerners seeking respite from the harsh winter weather. The thought of a security and surveillance system then consisted primarily of the eyes of securityguards.

Flagler's vision was realized in Palm Beach at what today is known as The Breakers Hotel and the 2 North Breakers Row Condominium. Now, well-heeled inhabitants from around the world escape to this stunning hideaway on the island and frequent the members-only clubs, fine restaurants and designer fashion boutiques the town has to offer.

The concept on which Palm Beach and The Breakers was founded remains the same, but the world around the tropical haven has dramatically changed.

In increasingly unsafe surroundings, amid terrorism and intrusion, Americans feel a greater responsibility to protect their

families, friends and personal property. 2 North Breakers Row residents have plenty to protect, and chose a security system and integrator they can trust – Toshiba and CSI: Palm Beach.

Aging coax cabling, time-lapse VCRs and monochrome CCTV cameras and monitors installed twenty years ago have been replaced with a hybrid digital system combining both analog and IP technologies made up 40,000 feet of newly installed CAT 5e wiring, 42 Toshiba IK-65WDA color cameras, two Toshiba IK-DP30A PTZ domes, and four Toshiba Surveillix® HVR 16-channel digital video recorders. The HVRs serve as the backbone of this video surveillance system.



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"Breakers Row is simply the most beautiful, well-appointed condominium development in Palm Beach, absolutely first-class. Management realized that the CCTV system did not match the rest of the property, so they made the decision to upgrade," said Rick Seymour, CEO of CSI: Palm Beach.

Out With The Old

CSI: Palm Beach's team, led by Kurt Freedman and Chris Pickering, first removed the old coax from its conduit and fished through new CAT 5e cabling inside and outside the building, including new runs into the pool area, the guardhouse and the two parking lots. An IR motion detection system integrated into the Toshiba HVRs was also installed to protect the perimeter of the community from intruders.

CSI: Palm Beach was able to install cost-effective Toshiba analog cameras, thanks to the HVRs' "hybrid" capabilities.

The versatile HVR simultaneously integrates both IP and analog cameras. It records analog inputs at speeds up to 30 PPS with resolutions as high as 720 x 480 using a proprietary MJPEG compression method that minimizes file size without compromising image quality. As a result, the Breaker's analog cameras can be remotely viewed on a LAN or



Internet connection and recorded digitally, just like IP cameras.

"We saved our client a considerable amount of money by using Toshiba analog cameras and their HVRs," said Seymour. "In addition, because the Breakers is not a spread out community, we only had to use the two PTZ cameras. This also helped make our bid competitive."

Seymour chose to use the Toshiba IK-65WDA for many reasons. For one, the camera offers minimum illumination down to 0.001 lux @ F1.2.

Additionally, the camera has RS-422 control as a standard built-in feature. Finally, its 133X dynamic range reproduces both very dark and very light images within the same frame, an important consideration that occurs quite frequently in the bright Florida sunshine. The two Toshiba IK-DP30A domes that CSI: Palm Beach installed feature PTZ, IR imaging and 216X zoom, along with a "snap in" design that makes mounting and connecting faster.

Each of the 16-channel HVRs has a 500GB hard drive for recording 3-4 weeks of video. Sixteen cameras populate three of the units while the last has only five, giving it room for expansion. Toshiba software, included with the HVR, allows the Breakers security staff instant access for camera configuration, viewing, incident searching, and file exporting, along with remote upgrades and alarm monitoring. The HVR is also linked to the fourteen IR zones around the Breakers perimeter. If any one of these zones is activated, local cameras go to the site instantly and are recorded at their highest resolution and frame rate.

Overall, the Breakers installation took less than four months for CSI: Palm Beach. Residents now enjoy the best of Palm Beach living while being protected by state-of-the-art security.

For more information on CSI: Palm Beach, please call 561.688.1070. On the web, www.csipalmbeach.com.

