

Isleworth Golf & Country Club, Florida, USA



Premiere Amenities include High-Tech surveillance Cameras

The Customer

Isleworth Golf and Country Club is a 600-acre luxury Central Florida community near Orlando with premier amenities including an 18-hole championship golf course, 24-hour concierge services, tennis and fitness center, and year-round children's programs. Every aspect of the affluent community reflects the highest standards and the highest level of service.

The Video challenge

The Isleworth community's well-known sports celebrities, high-income businessmen and other wealthy residents expect no less than world-class security. Access to the community is tightly controlled, but video surveillance at the entrance gates previously depended on an antiquated eight-camera analog system. Instead of a license plate number or a clear image of a visitor's face, the system more often than not captured nothing but a blur. "We set out to find the absolute best video surveillance system on the market today," says Isleworth Director of Security Scott Lynch. Aesthetics are important in the upscale community, and

an old analog bubble-lens dome camera, surface-mounted on a junction box with conduit leading away, was a clunky sight that didn't fit with Isleworth's manicured landscaping and upscale appearance.

Fewer Cameras, more Coverage

After seeing MOBOTIX solutions at a trade show and researching the video surveillance technology on the Internet, Isleworth approached local MOBOTIX integrator Ron Poulin, owner of Daytona Beach Broadband, to install a new system.

The front entrance at Isleworth uses a total of seven MOBOTIX cameras. MOBOTIX S14D FlexMount day/night cameras provide general surveillance, with each camera's two miniature sensor modules capturing high-definition, 180-degree images from various angles – one during the day and the other at night – as vehicles enter and exit the gates.

S14D cameras are mounted semi-covertly between the two entrance and exit lanes

on pillars that extend from an arch over the inside lane. Small holes drilled in a face plate accommodate the camera lenses, and the plate has been painted to match the pillar, so the camera isn't noticeable and doesn't undermine the upscale environment. The day and night sensors of the S14D are mounted side-by-side, about an inch and a half apart, to provide essentially the same view whether day or night. "It's amazing the quality we can see at nighttime," says Michael Kiernan, Administration Manager of the Isleworth security services department.

The farthest entrance lane from the guard house is for residents, and the gate swings open automatically when a resident's vehicle approaches. The entrance lane nearest the guard house, which is manned 24 hours a day, is for visitors, who must stop and be admitted by the guards. An S14D camera mounted on the guard house records close-up video of drivers' faces as they enter in the visitor lane and provides a video record of their interface with the guard. A similarly positioned camera



Unobtrusive Camera Footprint a Must in Luxury Community

on the exit side captures video of drivers as they leave.

Three MOBOTIX M12 dual-lens cameras are also used at the front entrance – two viewing the backs of vehicles as they enter the community and one viewing the backs of vehicles as they leave. The cameras are mounted on three-foot poles, placed strategically to maximize the view of each vehicle's license plate. One of each M12 camera's sensors uses a low-pass filter and captures clear images of license plates (using an infrared illuminator at night) as vehicles enter or leave. (Isleworth is considering use of software that will read and record license numbers as vehicles pass.) Each M12's other lens captures a 90-degree overview of the entire area.

MOBOTIX' free MxEasy video management software provides view-only privileges for

guards on 32-in. monitors in real-time, and the security manager can retrieve or export archival footage to a local PC or other media. Twelve terabytes of network-attached storage (NAS) preserve 30 days of video. The entire system leverages the MOBOTIX decentralized concept, which allows video processing to occur on the cameras to reduce bandwidth requirements.

Additional gates into the community will use similar systems – there are four gates in all including one that is a “virtual,” unmanned gate equipped with intercom access. A video link at the unmanned gate will soon enable a face-to-face conversation between the driver and a security guard. (The MOBOTIX T24 video door station is being evaluated as a possible solution.) A MOBOTIX installation at a second manned gate is near completion, and a third, smaller manned gate (with one lane on each

side) will likely require fewer cameras for adequate coverage.

Affordable, Top-of-the-Line Results

Going from eight analog cameras in the previous installation to seven MOBOTIX cameras in the new configuration comes with a huge increase in video capabilities. Each MOBOTIX camera has two lenses, and 180-degree video views a much larger area, providing coverage comparable to many more standard cameras. The extensive coverage ensures there is clear video evidence – from multiple views and showing faces – of any incident. “If someone is looking away from one camera, they are looking at another one,” says Kiernan. So far, the system has not failed to provide the video needed to resolve any and all situations at Isleworth, adds Kiernan.



The S14D cameras, mounted semi-covertly, provide a solution that is “very sleek and very discreet,” says Kiernan. “People know it’s there, but it’s not overtly noticeable.”

System costs are also manageable, says Lynch. The higher prices of MOBOTIX cameras are offset by the availability of the free video management software and no requirement to purchase per-camera licenses. MOBOTIX cameras with two lenses essentially provide “two cameras for the price of one,” adds Lynch. “We sought out the absolute best, and what MOBOTIX provides us is much more than we expected. The quality is as good as anything we have seen, and we were quoted significantly higher prices on products that were not as good.”

Isleworth is also considering use of a camera’s video motion sensing capability to trigger an alarm when a vehicle is approaching the exit lane to alert a guard to acknowledge the driver, another reflection of Isleworth’s emphasis on customer service.

MOBOTIX has developed and manufactured IP video systems, video management and analysis software in Germany since 2000.


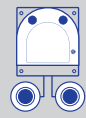



MOBOTIX stands out for its **high level of reliability**. All outdoor cameras are subjected to a stress test for temperatures between -30°C and +60°C (-22°F and +140°F). Without additional components, without heating or cooling and with no moving parts (for example auto iris), they are virtually maintenance free.





MOBOTIX delivers a **perfectly matched package**, starting with the microSD card for storage management and HD audio (microphone and speaker) with VoIP telephony through video analysis, a professional video management system and motion detection software reducing false alarms.





The **decentralized architecture** means that a central computer is not required and the network load is minimal. The intelligent cameras from MOBOTIX process and store image data themselves, trigger events and, in the event of remote access, manage the frame rate and resolution depending on the available bandwidth.





The **6MP Moonlight sensors** and complementary **thermal imaging technology** ensure reliable detection of moving objects, even under the most challenging light conditions and over long distances. As a result, it is possible to cover large areas with just a few cameras. Less power cabling, less IT infrastructure and fewer additional light sources are needed. MOBOTIX cameras are powered using standard PoE and do not require more than 4-5 watts.





An intelligent IP video system from MOBOTIX allows you to **reduce total costs**. The investment pays for itself after a short time and the free-of-charge software and updates ensure it is a future-proof investment.

Outdoor Dual Lens			Thermal	
M15/16 AllroundDual	S15/16 FlexMount	D15/16 DualDome	M15/16 Thermal	S15/16 DualThermal
				
Robust for extreme conditions	Flexible dual camera	Modular dual camera	Thermal dual	Thermal dual

Outdoor Single Lens			
M25/26 Allround	S15M/26 FlexMount	Q25/26 Hemispheric	D25/26 Dome
			
Robust for extreme conditions	Discreet, video analysis	Discreet, video analysis	Modular Fix dome

Indoor			
i25/26 Panorama	c25/26 Hemispheric	p25/26 Allround	v25/26 MiniDome
			
180° hemispheric	Discreet, video analysis	Modular ceiling camera	Vandalism camera

Door Modules			MxDisplay+
Camera	BellRFID	Keypad	Remote Station
			

Door Sets			
Double Frame		Triple Frame	
			

Retailer information: