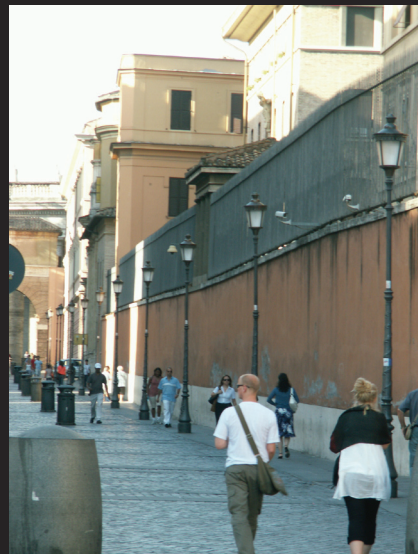


Case Study:

Ancient Vatican puts its faith in advanced video security technology



The Vatican, one of the world's most important sites, is protecting the city with ioimage intelligent video appliances powered by Pixim's Digital Pixel System[®] image capture processing technology.

ioimage, the pioneer of intelligent video appliances, is the world leader in intelligent, high-performance video encoders and cameras with built-in-self-sustained video analytics. ioimage offers a new approach to video security by transforming surveillance into a proactive, event-driven process.

ioimage is a Pixim System Partner dedicated to producing industry-leading enterprise video capture solutions based on Pixim's award-winning Digital Pixel System® technology.

Pixim's technology can be found in ioimage's ioicam wdc100dn ultra-wide dynamic range color day/night intelligent video IP camera with built-in video analytics.



Officially the world's smallest country – in both size (approximately 44 hectares/110 acres) and population (approximately 800) – Vatican City is nonetheless one of the most important sites on Earth. The Vatican is home to the Pope (also known as the Bishop of Rome), worldwide head of the Roman Catholic Church, as well as some of Western culture's most significant library and museum collections and buildings, including St. Peter's Basilica, the Cistine Chapel and famous works by Bernini, Botticelli, Michelangelo and Raphael.

Millions of people visit Vatican City each year. To prevent visitors and residents from being victimized by crime – the most common offenses at the Vatican are purse snatching, pickpocketing and shoplifting – and to protect the city itself, the Vatican has installed intelligent video appliances for added security.

The video security hardware, from ioimage, is powered by Pixim's Digital Pixel System® image capture and processing technology. With the Pixim technology, the ioimage security cameras can capture clear, color-accurate images in any lighting conditions. Such high image quality is crucial for the effectiveness of ioimage's built-in video analytics software – as well as to meet the Vatican's stringent reliability requirements.

Specifically, the Vatican required that its video security system operate with extreme reliability 24/7 in very crowded surroundings, in

response to frequently changing public access schedules and under highly variable weather conditions – while minimizing the incidence of false alarms. The ioimage system uses Internet Protocol (IP) cameras with built-in self-sustained video analytics, ioicam wdc100dn and ioibox video encoders, and autonomous PTZ (pan tilt zoom) tracking.

Pixim's Digital Pixel System technology produces extremely clear, color-accurate images automatically, under all lighting and weather conditions. As a result, the Vatican's ioimage video security system is well-equipped to serve as an effective deterrent against intruders while optimizing the daily tasks of those responsible for the ongoing security and safety of property, staff and thousands of visitors at the Vatican.



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