



**BAXALL**
LIMITED

CASE STUDY

NAME: Destiny-IP Equipment Installed in the World's Smallest Sate

CASE: VATICAN CITY

BAXALL DESTINY™-IP EQUIPMENT INSTALLED IN WORLD'S SMALLEST STATE

Baxall Ltd. – the UK's leading manufacturer of CCTV equipment – has had Destiny™ IP encoders and decoders installed in the Vatican City.

At 44 square kilometres in size, Vatican City is the world's smallest independent state and has a population of just 850 (including the Pope!). However, this increases fivefold during the working week with the influx of visitors who come to see the many attractions there, including the Sistine Chapel, Vatican Museums, St. Peter's Square and Basilica.

An analogue CCTV system was already in place, but only allowed one operator to view specific camera images. Installing the Destiny™ IP encoders and decoders has provided a highly flexible solution to this, enabling local and remote monitoring simultaneously via the City's existing network.

Each Destiny™ IP encoder is linked to a multiplexer so that any camera on the system can be viewed and controlled, either as a single, full screen or as a quad display. Control is via a simple GUI that allows for pan, tilt and zoom functions to be controlled and camera-to-monitor switching.

Each Destiny™ IP decoder supports four 'viewing' stations. These stations can be any PC using Windows 98, Me, 2000 and NT Microsoft software making it cost effective and convenient.

The encoders and decoders make this possible as they have been designed around Internet Protocol which enables 'data' to be addressed, transmitted and controlled over what we have come to know as 'IP networks'. These protocols can be used over any physical network (such as Ethernet, PSTN, ISDN, etc.) that is IP compatible.

As a result, the encoders and decoders allow camera images to be connected to IP networks to send full-motion, real-time, digital quality video, together with audio and data. Images can be viewed simultaneously from numerous locations, as required by Vatican City.

As with all products in the Destiny™ IP range, the encoders and decoders can be used as part of a simple to assemble but sophisticated CCTV system, large or small, either in a stand alone capacity or as an extension to an existing system.

In addition to the Destiny™ IP encoders and decoders, there are also cameras, keyboards and a comprehensive range of application software for the range, all available from Baxall Ltd.