



Swindon Town Centre's Video Security Project By RedLeaf Inc.

Swindon is a large town within the Borough of Swindon and ceremonial county of Wiltshire, in South West England. It is midway between Bristol, 64 km west and Reading, 64 km east.

London is 130 km to the east. In the 2011 census, the population of Swindon was 209,000 people, including the small town of Highworth and the large village of Wroughton, an increase of 16.2% since 2001.

Swindon's town centre is home to many of the UK's top retail names, as well as the place to find specialist independent shops. It is Swindon's premiere shopping destination, with over 100 shops, restaurants and stores, there is so much for everyone. With boutique stores including Plaza Pets, The Forum and John Anthony to larger brands like House of Fraser, M&S and Boots - you'll be sure to always find a perfect gift, no matter what the occasion.

RedLeaf video surveillance technology has designed a unique surveillance system for Swindon Town Centre. The system is operated by the Swindon Town Centre Management Team which assists the police and other partners in reducing antisocial behavior, shop theft and other criminal activity. Like many towns, their previous system did not provide surveillance of the more remote areas to which crime often migrated in order to avoid the cameras – a problem that the Swindon Team were keen to solve.



RedLeaf Solution

The RedLeaf solution was to develop a reliable camera system using wireless and wired IP video security cameras to provide remote surveillance and to gather evidential-standard video images.

The video surveillance system project at the Swindon Town Centre needs more than two hundred RedLeaf IP cameras plus NVRs, monitors, PoE switches and fiber optic transceivers.

RedLeaf implemented a custom solution involving the use of 218 RedLeaf IP cameras including speed domes, mini domes, bullet and box cameras.

Using the “RLC Management” Video Management Software (VMS), the security staff at Swindon Town Centre can manage the whole building and outdoor areas in a centralized fashion through the local area network (LAN) and/or internet.

As stated before, the unique characteristic of the Swindon Town Centre's video security implementation is installing wireless IP cameras in places where Ethernet wiring is not available. The video from this strategically deployed cameras is transmitted wirelessly via line-of-sight (LOS) and a number of relay base stations, back to the control room.

This allows the cameras to be re-deployed between base stations without re-configuration.

The vandal-proof camera housings were developed especially for this project and contain a camera, a video transmitter unit, wireless transmitter and power supply and an optional heavy duty rechargeable battery so the cameras can be deployed in locations without local power supplies.