

Application Note

Parking Access Control

University of Northampton



OVERVIEW

The University of Northampton undertook one of the most dramatic changes to Northampton in the town's history with a £330M project which involved two university campuses totalling over 12,000 students being relocated to the Waterside Enterprise Zone, a 58-acre brownfield site located adjacent to the town centre on the Rive Nene.

Included in the development scope of works was an ANPR system and barriers to car parks to manage access control along with Bus gates including rising bollards.

HOW WE HELP

1. Access Control

TagMaster CS50 intelligent ANPR cameras housed in stainless steel bollards were deployed at the entrances and exits to all car parks at the new Waterside Campus, plus at the bus access route through the centre of the campus. The TagMaster CS50 ANPR cameras control barriers at the car parks and rising bollards on the bus access route.

All the TagMaster CS50 cameras are linked to a central TagMaster JMS server that manages the access control database and links to third party car park management and enforcement system.

2. Intelligent Hardware

The CS50 was chosen because it is an intelligent camera that carries out recognition processing in the camera head rather than streaming live video over a network. This means each camera takes up very little network bandwidth, only sending results as they happen.

Each TagMaster CS50 camera stores a local copy of the access control database, controlling barriers directly from each camera respectively. This means that if the network connection to the central server goes down, access control functions are maintained.

3. Installers

Protec Fire & Security installed the system working for Bowmer & Kirkland who were appointed by the University to undertake the construction of the new University Academic Buildings and Public Realm works. Total Parking Solutions provide the car park management and enforcement services.

The scheme was successfully delivered on-time and within budget and ready for the first student intake in September 2018.

PRODUCTS USED

ANPR Cameras

Bollard Housing

JMS Software