



2020VISION
TECHNOLOGY

CASE STUDY CLOSE UP NEWCASTLE UNIVERSITY

BACKGROUND

In the late nineties Newcastle University embarked on the implementation of a new and improved CCTV system at the Newcastle Campus to protect the interests of staff, students and visitors.

2020 Vision assisted the Security and Estates department in developing and designing a campus wide, CCTV system strategy for subsequent tender with the following criteria: -

Improved safety and security for University staff, students and visitors.

Improved buildings security.

Crime and vandalism deterrent.

Assist in the detection of crime and vandalism.

To monitor and better manage traffic onsite.

Commensurate with PACE (Police and criminal evidence act).

THE SOLUTION

2020 Vision won the initial tender for the supply and installation of ten external colour/mono functional PTZ cameras and eight external fixed colour cameras all controlled and monitored by 24-hour security staff from a new security control room.

Since implementation the CCTV has proven to be so successful that 2020 Vision has expanded and adapted the system to meet the Universities changing needs.

It currently consists of: -

21 fully functional day/night cameras fitted with a powerful zoom lens capable of providing person recognition at a distance of 120m and detection at over 300m. Each camera is fitted with switchable infrared lighting to supplement site lighting and illuminate any shadow areas.

20 external, static cameras covering key risk areas such as bicycle racks.

65 internal, vandal resistant cameras sited to monitor building entrances and specific risk areas like computer suites.

Due to the size and topography of the site 2020 Vision developed a distributed CCTV security and surveillance system based on CCTV collector points (NODES) which provide both analogue and digital video paths.

NODES give all the benefits of conventional CCTV whilst saving on cabling costs as well as facilitating easy expansion as additional cameras are simply wired into the nearest point.

It also offers easy upgrade to a full digital solution as IT video products mature and improve.

The highly acclaimed Honeywell Maxpro, Max1000 Computerised Video Management system is at the heart of the CCTV system providing easy to use camera control and video switching interface between the CCTV operator and the technology. Due to 2020 Visions knowledge of the Max1000 matrix and its advanced features a number of non-core system functions are automatically carried out without dependence on the control room operator.

THE BENEFITS

Newcastle University's system provides the operator with real time viewing and function control of multiple cameras as well as the transmission of access control/intruder alarm signals. They also have the ability to retrieve recorded images from any camera or NODE point for use in post incident investigations via a Visimetrics digital recording system.

George Westwater, Security Manager at Newcastle University said:

“The CCTV system is a major tool in keeping the University a pleasant environment and safe environment in which to work, study and play. It has had a major impact in reducing incidents on site.”

