

Willows Veterinary Centre

Data and Audio Visual Systems

Cat 6 Cables
443

Information Screens
28

IPTV
2

Sound Systems
2

Projectors
2

Induction Loop
1

VGA Switching
6



The Willows chose a Category 6 cable infrastructure for use with both data and voice applications. This was then also utilised to provide VGA signalling for both the internal messaging system public displays projectors and also to capture video streams from the operating theatre cameras to view on any networked PC.

The information system consisted of VGA switch extenders supporting a resolution of 1920 x 1080 to a total of 22 portrait display plasmas over distances of up to 90 metres.

This displayed both rolling presentations to clients and an up to the minute messaging system for staff.

The IPTV system captured video from two separate cameras, located within the operating theatre via a BNC balun connected to the camera and then transmitted back to the comms room via a Cat 6 cable. The stream was then encoded in to an IP packet and made available across the network. However, the images also needed to be viewed on a monitor located in the same operating theatre. VGA extenders were again used to transmit the signal back to the operating theatre.

The Willows Veterinary Centre and Referral Service is a state-of-the-art veterinary practice located in Solihull, West Midlands. They provide top-quality care both for pets in the surrounding area and also for those referred to us by their own veterinary surgeons for specialist investigation and treatment. With a total of 32,000 sq ft, the centre provides:

- intensive care facilities
- 6 operating theatres
- Spacious Waiting Room
- 13 consulting rooms

Their public and internal information systems needed to reflect the investment that they had made in their treatment facilities.

In the Lecture and Seminar Rooms, the projectors were required to be operated from several presentation positions. For this purpose we used a combination of VGA over Cat 6 coupled with remote switch boxes, in order to isolate the cables and minimise ghosting.

The sound system for the lecture Room consisted of a wall mounted amp, with ceiling mounted speakers. This was coupled with a lapel, wireless microphone and hearing induction loop for the hard of hearing, allowing the presenter to move around the room at will.

We then provided a Bosch Plena amplifier and swan neck microphone for the receptionist to make announcements to clients within the waiting areas both in and outside the building.