

IQR Contributes to Animal Research at the University of Bristol



Product:

IQR

Details:

Video Surveillance for animal behaviour research in the field and laboratory

The Department of Clinical Veterinary Science of University of Bristol has a major commitment to research projects aligned to animal welfare. The scientists carry out observational and experimental studies of animals in the field or lab. The group further translates research into practical approaches for improving animal welfare.

The department aims to provide accurate measurement of animal welfare, as well as to identify factors that compromise animal health and well-being. To achieve this goal the group decided to employ a surveillance solution which would be able to perform the following tasks:

- constantly monitor and analyse animal behaviour
- make pre-defined recordings at scientists' convenience
- produce standard recordings, to which animal well-being analysis metadata can be easily added

Taking into consideration the specificity of the problem, the Department of Clinical Veterinary Science chose to apply IQR from Quadrox because of its reputation for the most standards-based video surveillance solution.

Effective tool in animal behaviour study

IQR video surveillance solution from Quadrox is used to monitor domestic animals whose behaviour is studied at the University of Bristol. IQR had already been deployed to study behaviour of domestic sheep, which had been influenced by creating differing artificial environments. Currently the University scientists are carrying out research on well-being and productivity of hens and roosters. For this purpose 36 surveillance cameras have been installed in different poultry cages.

Monitoring animals intelligently

With the help of IQR live video, domestic animals are being constantly observed in real time. Every time a recording of animal behaviour needs to be made, the researchers define certain recording parameters. With IQR they can choose specific cameras from which recordings are to be received, and define time and date of the recording. With pre-defined recordings taking place, the Group researchers are able to witness and analyse animal behaviour changes any time, at their convenience.

Veterinary research goes standard

IQR native recordings are made in standardised Advanced System Format, which allows them to be visualised in all applications used within the Department. In addition, animal well-being analysis metadata can be easily added to standard recordings, such as those produced by IQR.

With the use of standards-based video surveillance solution from Quadrox, the productivity of animal research within the Department has been upgraded to a new level. With IQR, the Group researchers are able to easily define circumstances, under which animals feel happy, and, as a result, are noted to be most productive.

