



Connexionz UK

Big Eye - CCTV

Introduction

Security is an important issue for transit providers: passengers and drivers need to be confident that they are in a safe environment. Connexionz' **Big Eye** is a feature-rich, fully manageable on-vehicle surveillance system that is unmatched by any product in its class.

More than traditional CCTV

Unfortunately CCTV has failed to live up to its potential: high costs for large-scale deployments, labour-intensive monitoring of cameras and poor quality images have undermined the value of traditional CCTV systems. Connexionz' **Big Eye** brings together a number of high-end technologies to provide an intelligent solution to these limitations and deliver a number of additional benefits.

Low cost deployment

Where traditional CCTV cameras have to be cabled into an on-bus recorder, each **Big Eye** unit contains its own recorder that can work independently or as part of a larger network. So whether you choose a one or multi-camera system, you don't need a central recorder unit on each bus. This not only simplifies pricing, but the installation and configuration of your CCTV system as well. This flexibility means that a **Big Eye** system is fully scalable, so it can grow with your fleet.

Ease of management

Typically, CCTV feeds images back to a central location where they are recorded. If an event occurs, hundreds of hours of video must be manually combed for useful information.

Connexionz' **Big Eye** units contain motion and audio detectors that enable the units to record images only when necessary – reducing wasted storage and ensuring that the captured images are useful. Each **Big Eye** can also store up to 30 days worth of time-stamped images that can be downloaded according to a user-defined time period. And because **Big Eye** units store their data locally, there is no risk of losing data if the network fails.

In addition, live feeds from any **Big Eye** unit are accessible whenever required, all you need is an internet connection. Still images and real-time video streaming can be transmitted via a GPRS/3G or WLAN connection back to the depot. When the dispatcher selects a bus from the on-screen map, the system displays real-time CCTV images via the reporting application alongside the real-time bus location.

Performance

At 3 megapixels, **Big Eye** provides significantly higher resolution than normal CCTV (0.4 megapixels at best). This functionality can be used to provide either a wider field of view (requiring 3x fewer cameras to cover the same area) or a much higher image quality.

For buses that contain video screens, **Big Eye** CCTV stills can be interleaved with images from compatible RTI and on-bus advertising systems.

Benefits

Crime prevention – Big Eye CCTV systems improve safety by acting as a deterrent to on-bus crimes such as theft and vandalism. This increases passenger satisfaction and can reduce insurance claims and repair bills.

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