

Siemens' Telscan is a powerful digital CCTV monitoring system which allows users to remotely view traffic flow around the local road network, helping them make quicker and more effective traffic management decisions. Siemens can supply, install and support the complete end-to-end CCTV system, providing a one-stop shop for all traffic surveillance needs.

CCTV systems used in traffic management scenarios have to deal effectively with very challenging lighting and environmental conditions, which means that only the highest quality, professional hardware will do.

End-to-end solution

Flexibility and performance are key factors when delivering a complete end-to-end CCTV solution. Siemens supports an extensive range of fixed cameras offering an integral zoom/focus assembly, which is ideal for traffic surveillance applications such as monitoring areas which require controlled access. Fully functional 'Pan Tilt Zoom' dome cameras provide operational performance of the highest calibre, enabling the monitoring of the traffic surrounding the camera site to be performed remotely.

Located within a nearby traffic controller or similar cabinet, the outstation provides the interface to the cameras as well as providing the connection to the communications network. The outstation is ideally suited to sites where space is at a premium and physical size is an issue. A compact, low maintenance 'digital video-recording' option is available, allowing time-stamped, real-time digital storage, which is then easily accessible for review at a later date.

Communications from the roadside equipment back to the instation is conducted via 'video over internet protocol' transmission using MPEG-4 technology. This solution delivers high quality video streaming, either continuous or on demand, whilst remaining a low cost revenue option for the local authority, supporting up to 32 colour cameras per site.



- Cost-effective proven solution for traffic surveillance
- Video over IP transmission using MPEG-4 technology
- Incredible performance in transmission speed and image quality
- Multiple sites can be managed with a single instation
- Simple, easy to navigate user interface
- Congestion management and access control tool

Telscan CCTV traffic monitoring system

Traffic Solutions

SIEMENS

The Siemens Telscan instation is able to use the unique, user-friendly web-based Siemens Sistore software, which can be tailored to the application's needs with a few clicks on the home page. The simple Siemens Sistore user interface allows the operator to connect to any site remotely with the single click of the mouse, and to connect to multiple sites through a single instation. The operator can easily control 'Pan Tilt Zoom' dome cameras by simply clicking and dragging on the camera image. The programming and calling of presets is also possible with a few clicks of the mouse.

The instation is capable of accepting incoming alarm calls from sites which can trigger an automatic display of the camera view to an operator. All activities, including connections to sites, alarm inputs and any video capture or digital photographs, are automatically stored and placed in a log for easy retrieval.

Applications

Siemens' Telscan has been used successfully in traffic surveillance scenarios for many years, providing a highly robust yet cost-effective solution. The facility, allowing multiple sites to be managed by a single instation, enables the operator to not only focus on a specific piece of the road network, but also to see the bigger picture – monitoring, assessing and taking action when necessary.

Siemens' Telscan can provide supplementary information to the operator to enable more effective traffic management decisions. Video can be used to supplement other traffic data including journey time metrics, to support a strategic management tool such as Siemens' Comet. This is particularly useful for special instances, for example, sports events, which can cause congestion on an irregular basis.

In cases where controlled access is required to specific areas (eg, barriers, gates, ramps or rising bollards), Siemens' Telscan delivers the following additional benefits:

- The access-controlled site can be viewed and managed by the operator, allowing the bollards to be remotely raised and/or lowered whilst benefiting from a live view of the site
- This method can also be used for access into secure areas and private car parks where the security person could be situated in a central location controlling and visually monitoring a number of sites.



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