

## Hampshire Constabulary's investment in mobile computing solution increases efficiencies within the task force

Hampshire Constabulary is committed to making the most of its resources and has identified that an investment in a mobile data system with ANPR would allow for greater efficiencies and enhance and improve day-to-day activities within the force.

Hampshire Constabulary provides policing services covering Hampshire, the Isle of Wight, Portsmouth and Southampton and is the second largest non-metropolitan police service in England and Wales. They police an area of 1,600 square miles with approximately 218 miles (350KM) of motorways and trunk roads.

Today's forces are increasingly under pressure to improve the visibility of the police out on the streets whilst at the same time improving figures for crime detection, which often requires more officers spending time in the stations. Without having to increase staff numbers, the vehicle-based mobile data systems provide officers on the road with greater resources so they can spend more time patrolling the streets. Evidence from trials has shown that access to mobile data dramatically reduces an officer's dependency on a police station.



Attobus have a wealth of experience in the design and manufacture of in-vehicle computers for the UK emergency services and were chosen to supply the hardware for Hampshire Constabulary. The Attobus M-PC3 is a high capability PC powered by Intel processors which have been engineered to survive the harsh vehicle environment such as shock and vibration, temperature and voltages. It offers high brightness colour TFT touchscreens for ease of use or with keyboard functionality. The selection of screen sizes also enables the systems to be easily and safely designed into specific vehicles.

As well as offering a full desktop PC capability, the Attobus M-PC3 provides a great connectivity for peripherals within the vehicle and is designed to support optimal positioning of antenna to maintain best coverage and most accurate GPS position. Automatic number plate recognition (ANPR) is running on the M-PC3 in a portion of the Hampshire Police vehicle fleet providing a significant contribution in tackling all types of criminality. The technology, using specialised cameras, is designed to capture and read number plates, transferring and comparing them with stored information contained within databases. Use of the ANPR system includes access to data held both locally within the Constabulary's Back Office Function (BOF) and nationally within the National ANPR Data Centre (NADC).

The M-PC3 is an ideal platform for vehicle-based ANPR activities offering 4 video inputs which can be used with many types of cameras from simple internal security surveillance cameras to specialised day/night ANPR

cameras with colour overview and IR illuminators. One of the video feeds is connected to an MPEG2 video encoder which can be used to record evidence of other driver behaviour or conversations and activity inside the police vehicle. This video also feeds through an OSD chip which overlays information onto the video before it is recorded, this can include GPS position, speed, vehicle ID and a frame counter.

The M-PC3 has everything necessary to offer all the functions today's police vehicles need. The software provided is very flexible and allows for configurations to suit different operational requirements of the users.

New type Hampshire Police vehicle fitted with Attobus M-PC3 and ANPR



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