3M™ ANPR Camera
An Integrated ANPR Camera

The 3M™ ANPR Camera has single traffic lane coverage that can be integrated into a wide range of systems.

The ANPR Camera, illuminator and processor come together in one package.
- Provides savings in system cost, complexity and timescales.
- 3M proven camera and processor technology.

The 3M™ ANPR Camera is a fully-integrated number plate recognition unit incorporating camera(s), illuminator and data and image processing within a single sealed enclosure featuring higher memory and faster processing speeds.

The camera unit comprises a monochrome camera surrounded by two sets of Infra-Red (IR) LEDs. 3M patented filter/flash technique provides suppression of headlights and bright sunlight. The 3M™ ANPR Camera can include an optional independent, integrated, synchronous, colour camera.

The colour camera can be configured to the same focal length as the monochrome camera, or to a wider field of view as required, enabling ANPR (Automatic Number Plate Recognition) reads to have associated colour overview images. The integrated number-plate recogniser incorporates the '3M™ Fixed ANPR Camera Software' ANPR engine, proven in many countries worldwide. Patented real-time video triggering upon plate presence provides excellent plate detection.

A vehicle presence trigger input is also provided for the most demanding applications, for example, taking an overview picture of a vehicle with a missing plate. The 3M™ ANPR Camera can be integrated into a wide variety of systems. Wireless IP connectivity over GPRS, EDGE or 3G can be provided by fitting an optional internal modem. IP connectivity (wired or wireless), provides a time-lock of distributed cameras to a central server via NTP. A GPS unit can also be fitted allowing very high accuracy time and delivery of information. Real-time hardware JPEG compression is provided for both IR and colour images and can be used to provide a real-time IP video stream of the traffic. This can be used to record the image stream for ANPR data verification.

The 3M™ ANPR Camera is fully web-enabled and can be configured and monitored from a standard web-browser, External devices such as DSRC (dedicated short range communication), radar, weigh-in-motion or ticketing systems can be integrated into the system. A flexible interface allows these devices to trigger the camera and append information to the data set which the camera generates for each vehicle.

Applications

- Parking Management and Control
- Access Control
- Pay and Display Management
- ITS and JTMS
- Weigh-in-Motion
- Security Monitoring
- Traffic Surveys
- Tolling and Congestion Charging

ALL MATERIALS AND SPECIALIST ADVICE CAN BE OBTAINED FROM:

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