V104 & V105

Traffic technology solutions to improve roads, journeys and communities

V104 Processors

The VORTEX V104 Capture Processors dispense with the traditional PC, heralding a new era in Automatic Number Plate Recognition.

Building on our highly acclaimed recognition engine, which has been extensively deployed world wide, these dedicated Capture Processors offer a wealth of innovation and are the perfect solution for any ANPR project from just a single camera to over a thousand traffic lanes.

If you require vehicle recognition between 1 and 4 traffic lanes, just choose one of these V104 Capture Processors, add a keyboard and monitor and you are ready to go. There are no software options to choose—everything is included as standard.

Need a larger system? Just network two or more V104 Capture Processors together and add a V105 Management Processor at any location where you wish to administer the entire system.

Even with central control and monitoring, capture processors can still have their own local display which makes them ideal for gatehouse or multi-site installations.

These V104 Capture Processors are designed to be used with any of our ANPR cameras, and when used with the V102 Camera range, also provide telemetry control of all the main camera functions.
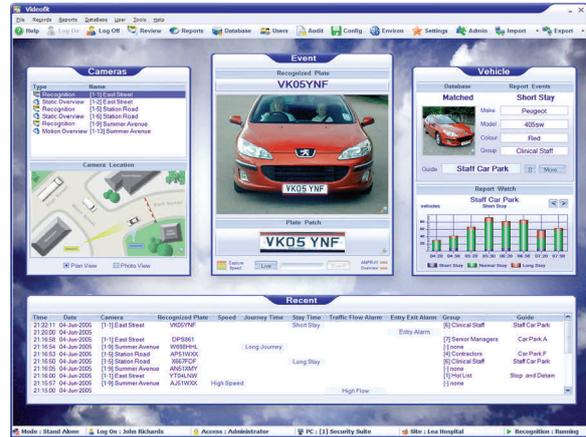
Processors

V104 Main Features

- Complete expandable vehicle recognition solution
- Proven recognition engine typically achieves 95-98% accuracy
- Full accuracy maintained with vehicle speeds up to 120mph on all lanes
- Captures rectangular, square, borderless and inverse plates (white characters on black)
- Sophisticated database, full graphical reporting with full export and PDF print facilities
- Full offence management facility (overstay, non-return speeding, prohibited vehicle)
- Dedicated design with no PC to maintain—inexpensive to install and service
- System typically records vehicles for one year minimum (increased storage also available)
- Internal UPS prevents record corruption and service interruption due to power failure
- Powerful yet simple touch-screen interface provides access to all main features
- Full VGA display offers many additional features and system configuration access
- Front panel LCD display shows system status, capture events and actions taken
- Each processor can be retrospectively extended up to 4 lanes without additional hardware
- Networking capability is standard, facilitating large systems of over 1000 traffic lanes
- Telemetry control of all V102 ANPR and overview cameras
- Comprehensive web interface for remote monitoring with Internet Explorer
- Automatic vehicle barrier/gate control using time schedules and groups
- User-defined messages for outdoor LED signs with group and time schedule control
- Serial data output for linking with weighbridges, DVR's and other third party systems
- Optional weigand interface available for integrating with access control systems

V104 Product Codes

Code	Model Description
V104-1	V104 ANPR Capture Processor– 1 lane
V104-2	V104 ANPR Capture Processor– 2 lane
V104-3	V104 ANPR Capture Processor– 3 lane
V104-4	V104 ANPR Capture Processor– 4 lane
V401	Mains Power Adaptor

V105 Management Processor

The VORTEX V105 Management Processor can be installed to control multiple capture processors from one location. It can capture and store all ANPR records in real-time over Ethernet, fixed wire, mobile communications or Wi-Fi and instantly manages all the data and images. In addition the Management Processor can update all remote capture processors and synchronise in real-time all captured data between multiple locations thus ensuring all the stored data is up-to-date and relevant to the entire site.

The Management Processor has the ability to network more than 250 capture processors serving more than 4,000 cameras and all data and images are stored on internal solid state memory or external storage solutions. The Management Server can also store additional images such as occupancy pictures, side view, rear view and full frame rate video files (pre and post capture). The Management Processor is capable of analysing white list / black list vehicles, non-return, overstay and prohibited vehicles with full graphical reporting available for journey time analysis, speed, flow, stay time and many more reports. Users can assign text message alerting and email reports as well as full PDF print facilities.

The management server is available as a desktop machine or rack mount machine.

V105 Product Codes

Code	Model Description
V105	V105 Management Processor
V401	Mains Power Adaptor

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