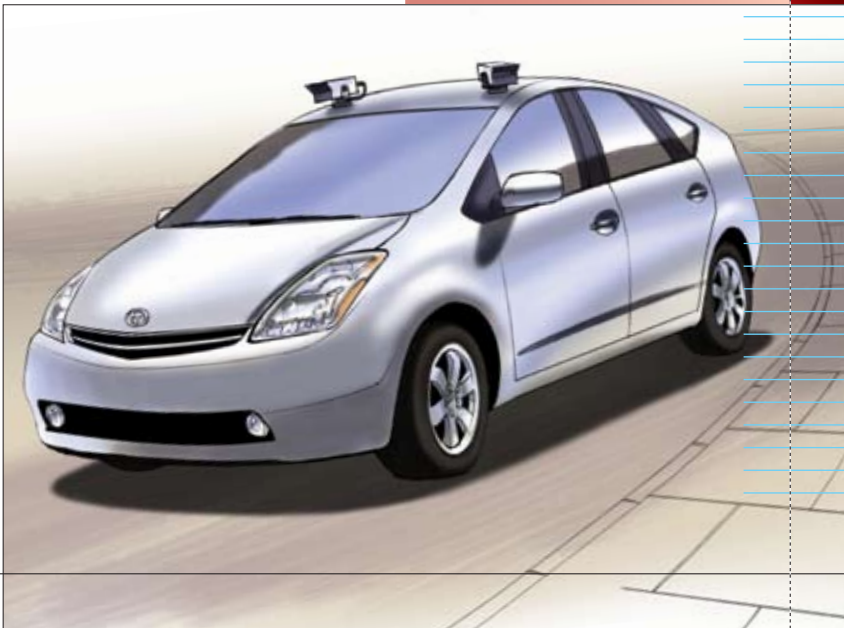


Integrated, Vehicle Mounted Parking Management



DCA PinForce LPR

DCA PinForce LPR Vehicle Mounted Parking Management

DCA is a market leader in providing innovative technology solutions to Local, State and Federal Governments, Police Authorities, Universities, Parks, Airports and numerous private organisations.

Today, **PinForce Mobile** is used by over 100 large, medium and small organisations, including all eight of Australasia's largest civic compliance organisations, representing a combined five million infringements per year totaling in excess of \$400 million annual revenue.

DCA is committed to continually investing in Research and Development ensuring the parking industry benefits from **DCA's** world leading technologies. The **PinForce** product suite continues to offer a range of integrated infringement and compliance systems to meet the evolving needs of numerous organisations.

As part of the growing **PinForce** offering, **DCA** is proud to offer a state-of-the-art mobile Licence Plate Recognition (LPR) system called **PinForce LPR**. A vehicle-mounted LPR system is the logical progression for integrated infringement management. Mobile LPR systems offer the industry a wide range of benefits, especially those with small pockets of high parking problem areas across large geographies. **PinForce LPR** combined with **PinForce Sentinel**, **DCA's** in-ground sensor product, complement and integrate with each other to provide a total solution for organisational needs.

Improving parking management, improving productivity

Managing the ever increasing parking demands on a finite resource is a demanding job. **PinForce LPR** addresses this challenge by using technology to automate many of the time-consuming functions such as chalking up vehicles, checking residential

permits, searching for vehicles of interest, reviewing chalk marks etc.

PinForce LPR consists of advanced high speed digital cameras coupled with an integrated GPS system and sophisticated

Optical Character Recognition (OCR) software neatly packaged to provide an officer a simple touch screen user interface. The officer simply drives the equipped vehicle. Meanwhile, **PinForce LPR** is reading every parked vehicle's number plate, recording its location and searching a database hotlist for residential permits, warnings, vehicles of interest, stolen vehicles etc. **PinForce LPR** provides electronic "chalking" for each vehicle it passes and automatically alerts the officer to any offending vehicle after a second pass once the parking restriction has lapsed.

Better yet, **PinForce LPR** integrates with **PinForce Mobile**, allowing it to pre-populate the infringement details available from **PinForce LPR**, thereby simplifying ticket issuing. All required evidentiary data is automatically handled by **DCA's** integrated **PinForce** systems.

Easy to deploy and operate

PinForce LPR is easy to deploy in almost any vehicle and can be moved from one vehicle to another. The cameras can be fixed to a vehicle via numerous options, including window mounting, magnet, suction or fixed mountings.

When installed, **PinForce LPR** can scan over 1,000 vehicles per hour, day and night in almost any weather.

The system creates and retains images for verification if an infringement notice is challenged. **PinForce LPR** offers greatly improved accuracy over old, manual methods, while reducing time and resource requirements for monitoring and infringement notice issuing.

PinForce LPR can be linked to a range of onboard databases enabling a wide range of parking and vehicle compliance issues to be managed simultaneously, including residential and permit parking, wanted and stolen vehicles and more.

Officers can be alerted in real time of vehicle overstays and vehicles of interest. **PinForce LPR** is truly flexible, allowing your enterprise to configure the system to suit your specific requirements.

Collected data can be transferred in real time via 3G straight to your Council or organisation's head office system.

At the heart of the **PinForce LPR** system is a ruggedized, touch-screen PC and docking station. Building on the **PinForce** reputation for ease of use, the system enables officers to cover the

PinForce LPR can be easily deployed to virtually any vehicle in your fleet, for improved, efficient parking and vehicle management. Unlike other offerings developed overseas, DCA PinForce LPR was developed in Australia for local conditions, so you can expect reliable and accurate results from the start.



maximum area in a shift and minimising errors in data entry. The user friendly interface allows organisations to deploy **PinForce LPR** with a minimum of training.

DCA's PinForce LPR is the logical, modern method for monitoring and managing parking, especially in widely spaced parking environments.

Why Choose PinForce LPR?

PinForce LPR is integrated with **PinForce Mobile**, a significant advantage for all current **PinForce** customers and provides new customers with an opportunity to invest in leading technology solutions. After **PinForce LPR** detects a vehicle has overstayed, all relevant data is transferred to a **PinForce Mobile** PDA in the vehicle. Officers can park, while they are in the field, and place an infringement ticket on the overstayed vehicle. Alternatively they can return to head office and synchronise, as they currently do using WiFi, USB or cradles, and issue infringements at the end of the day via mail. Likewise, real time synching is possible via 3G from the field.

Other benefits for **PinForce** integration include providing a single comprehensive reporting system to view all your infringement activities and integrated Penalty Infringement Notice management systems for managing evidentiary data. There is also no need to re-enter data and photos identified by the LPR system. This provides a distinct advantage over using different systems where reciprocal operation is difficult.

Importantly, unlike other systems, **PinForce LPR** has been extensively modified to read Australian and New Zealand number plates. Without this extensive customisation, other imported systems fail to read as many Australasian number plates.

PinForce LPR's core engine is currently being

used by Victoria Police, and various other interstate agencies, because it simply and accurately reads more number plates than any other system, both during day and night time.

DCA is an Australian company employing gifted engineers building products for Australian conditions. All our products are designed, developed and supported locally, where any customer required changes can be made directly by **DCA** without the excessive timeframes and costs requested by other USA based systems.

DCA is known for its exemplary customer service, it is simply ingrained in our culture – satisfied customers make **DCA** successful.

PinForce LPR can also be purchased independently of other **DCA** products.

Enhanced Management Systems

Like all **PinForce** systems, **PinForce LPR** offers a range of valuable reporting and management tools to create reports that add understanding and knowledge to your parking management strategies. The reports are produced in easy-to-read, common sense formats.

DCA's other mobile compliance systems, **PinForce Mobile**, **PinForce City Wide** and **PinForce Sentinel** sensor technology for automated vehicle detection and reporting, can be integrated with **PinForce LPR** for a truly comprehensive mobile compliance system. This will provide your organisation with an enterprise-wide understanding of how best to address issues around your parking resources.

The business case for **PinForce LPR** is compelling. Call **DCA** to discover how the various **PinForce** solutions can streamline your parking inspection and enterprise-wide compliance processes.

DCA's PinForce LPR is a breakthrough in mobile parking management and compliance, offering:

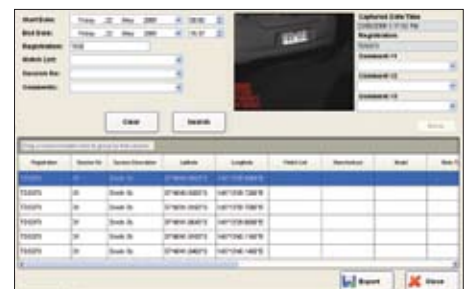
- **PinForce Mobile integration**
- **High speed monitoring; over 1,000 vehicles per hour**
- **Day and night operation**
- **Ease of use**
- **Improved officer safety and comfort**
- **Electronic tyre chalking**
- **Database linked monitoring for multiple, simultaneous types of compliance management**
- **Improved productivity**
- **Improved accuracy**
- **Lower incidence of challenges**
- **Innovative reporting and management tools for enhanced planning and compliance.**



The clear, easy to read screens show the licence plate which can be read even in poor light, and other essential data.



Accurate GPS monitoring gives precise locations for every vehicle scanned.



PinForce LPR screens display information in a logical, easy-to-read format.

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PinForce Mobile

PinForce Mobile is the cornerstone of our mobile compliance technology. Using state-of-the-art handheld PDA devices, **PinForce Mobile** has freed field officers from the old, cumbersome, time consuming equipment, to flexible, lightweight units that have multiple compliance applications. If required, infringements can be reported in real-time to your network for processing via 3G.

PinForce City Wide

Based on the tried and tested **PinForce Mobile**, **DCA** has delivered a range of council-specific compliance modules that can be added to existing **PinForce** systems or purchased off the shelf.

DCA PinForce City Wide is the answer to

streamlining a range of in-the-field Council inspection and compliance processes. Take for example, the **City Wide Health Module**. With **PinForce City Wide**, council officers can capture information quickly and easily on pre-populated screens, as well as adding additional information as the inspection may require. The modules can be adapted to particular tasks required by your municipality.

DCA PinForce City Wide frees users from the unproductive paper trail that currently exists, to an integrated compliance and enforcement system that is tried, tested and supported by **DCA's** renowned training and tech support.

PinForce Sentinel

DCA has worked closely with Councils across Australia to develop **PinForce Sentinel**. We realised that Councils required more than an 'automated chalking' tool, Councils required an advanced parking management tool to assist in policy development and enforcement.

PinForce Sentinel is the world's most advanced Vehicle Detection System. **Sentinel** delivers Councils an extraordinarily useful management and compliance system, from the parking bay to the planning office. **Sentinel** uses embedded parking bay sensors to detect the presence and movement of vehicles to and from that bay. The sensor alerts the officer to offending vehicles and pre-populates **PinForce Mobile** fields to enable an infringement or warning to be issued.

Sentinel also offers Councils a unique opportunity to improve parking compliance and gain greater knowledge of their parking assets through **Sentinel's** advanced reporting tool, **Dashboard**.



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