

Founded in 1998 and based in Manduria (TA) Italy, Intertraff is one of the most experienced software developing companies in the supply of Automatic Number Plate Recognition products (ANPR / LPR).

Since 2003, Intertraff set up a branch office in Novosibirsk, Siberia, for customer relationship management and software developing. In December 2007, a subsidiary company in New York, US, has been incorporated.

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Technology You Can Trust

To learn more about our product offering, please visit www.intertraff.com or send an e-mail to info@intertraff.com



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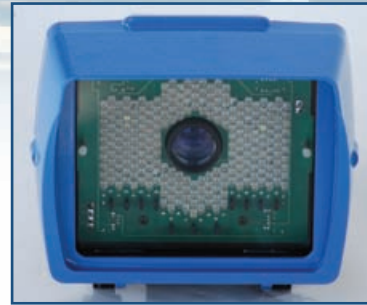
complete range of dedicated cameras and software solutions
to overcome the challenges effective licence plate recognition entails

WalzCAM

WalzCAM Intertraff Number Plate Recognition Camera

To accurately read a license plate, it is crucial to have the best image of the license plate for the read to work on. Employing conventional security or surveillance cameras for number plate capturing, will give good results under ideal conditions of diffuse sunlight. There are however other conditions that cause a severe degradation of image quality and a consequent reduction in accuracy. Such conditions include:

- Headlight or brake lights dazzles the camera
- Strong sunlight dazzles the camera or puts the license plate in the shade
- Strong reflections cause 'glint'
- Rain or other environmental conditions can obscure the view



Intertraff has developed WalzCAM™, to ensure that the image is clear and bright, even under adverse conditions.



WalzCAM™ is a Vehicle License Plate Capture Camera expressively designed for 24 hours a day number plate recognition.

It comprises a high resolution monochrome CCD camera with high sensitivity in the infra-red, surrounded by 240 IR LEDs.

The WalzCAM is available for immediate use in diverse applications, such as Journey Time Monitoring, Congestion charging, Tolling, Surveys, Stolen vehicle recognition, Customs controls, Access control and Car park management, vehicle routing and

entrance and exit barrier control. It includes provision for operation with control car park barriers.

The unit is environmentally sealed to IP67 to protect against all weather condition.

It is also possible to install an overview colour camera in the same housing (product code: Dual_WalzCAM™). The integrated colour camera allows an overview image to be captured with the IR pictures. One camera board uses visible light to take overview pictures and the other uses infra-red (IR) illumination to capture number plates.

Intertraff ANPR Engine

Intertraff ANPR Engine.100 is designed for application developers who wish to embed our Automatic Number Plate Recognition technology in their software applications.

The Engine recognizes any license plates containing Latin or Arabic characters, and provides ASCII or UNICODE text result of the car registration number within plate patch and full image picture of the vehicle identified.

The ANPR Engine is a COM object and can be used by clients in different programming languages such as Visual Basic 6, Visual Basic .NET, C#, Delphi, C++.



It supports all necessary DirectShow filter interfaces and can recognize car number plates in video streams from different video sources (provided they can be utilized in DirectShow).

Besides video streams the new ANPR can work with separate still images.

We do offer an entry version, product code Engine.25, which can be only interfaced to analogue cameras and it specifically requires Intertraff Frame Grabber card. When the Engine.25 reads a license plate, it waits 3 seconds in order to read a new number plate. This software limitation does not apply to the Engine.100 version.

Intertraff Engine runs on various kind of computer systems (desktop, embedded, etc.) and can be interfaced with any type of camera although Intertraff recommends to install WalzCAM for a perfect license plate image capturing.

Intertraff ANPR Manager

With proven experience in ANPR software, Intertraff has developed the next generation of Access Control & Security software to provide information at all times and under all conditions for round the clock operation.



Intertraff ANPR Manager has been developed for access control, car park management and traffic monitoring purposes. As a number plate enters the field of view of the camera, Intertraff ANPR Manager software performs instant recognition and creates an event log. It can trigger other security equipment such as barriers to allow access to known vehicles or send an SMS message through a GPRS modem to inform Police operators about a stolen vehicle or even associate the exact speed of the vehicle, calculated by a radar speed measurement device, to the license plate reading.



For Access Control applications, Intertraff ANPR Manager allows the operator to search the image for a registration number and then displays all the entry and exit information for that vehicle. The database can be searched by date to show all traffic information for that day and over a specified time period.



It is also possible to capture a colour overview picture of vehicle as soon as a number plate has been captured by the infrared camera sensor (no external trigger needed).

Thanks to its Client / Server architecture, Intertraff ANPR Manager has the ability to monitor 64 lanes for up to 128 cameras, both local and remote and has the facility to centralize the information capture on a unique Server PC.

Intertraff ANPR Manager can integrate with 3rd party access control hardware and can interface with any camera source irrespective of whether local or remote.

