Intelico and Canon demonstrate advanced number plate recognition capture for transport scenarios

intelico

smartalert

accuplate

Company Name
Intelico

Founded
2013

Headquarters Location
London UK

Website
www.intelico.com

Overview

Intelico is a software and technology specialist company based in the UK that develops bespoke solutions for customers in critical infrastructure environments. In a world where technology is changing faster than ever, Intelico aims to harness the latest thinking, adapting to meet customer requirements to enhance the end-user experience.

Intelico and Canon at IFSEC

At IFSEC, Intelico will demonstrate its Accuplate technology in conjunction with the Canon VB-M50B to show how these can technologies can work together to allow customers to capture crisp and clear images of licence plates, no matter the lighting conditions.

Intelico's Automatic Number Plate Recognition (ANPR) platform can capture images of three lanes of traffic on a motorway with the Canon VB-H43 PTZ camera. Intelico's solution is traditionally designed for car park situations, and was previously capable of capturing two lanes of traffic. Using Canon cameras, this can now be expanded to include monitoring of wider transport infrastructure such as motorway traffic in colour.

Accuplate

Accuplate's advanced recognition engine provides industry leading accuracy and speed for vehicle access control, such as car parks at airports or retail centres. It is designed to handle the challenges that face an ANPR system, such as severe weather, damaged or personalised plates, poor lighting in covered environments, tailgating and speed or angle of approach. Setup and configuration is among the fastest in the industry, with less than ten minutes from installation to reading plates, once the server and cameras are installed.

The VB-M50B's innovative Clear IR View Mode, which combines an IR Band Pass Filter (IRBPF), and new image processing capabilities, enable highly detailed monochrome images to be captured in superb definition at any time of the day. For ANPR situations, the IRBPF and additional infrared lighting can help cut obstructive lighting, such as vehicle headlights, to produce a clear image, particularly in low-light conditions such as in carparks or at night.
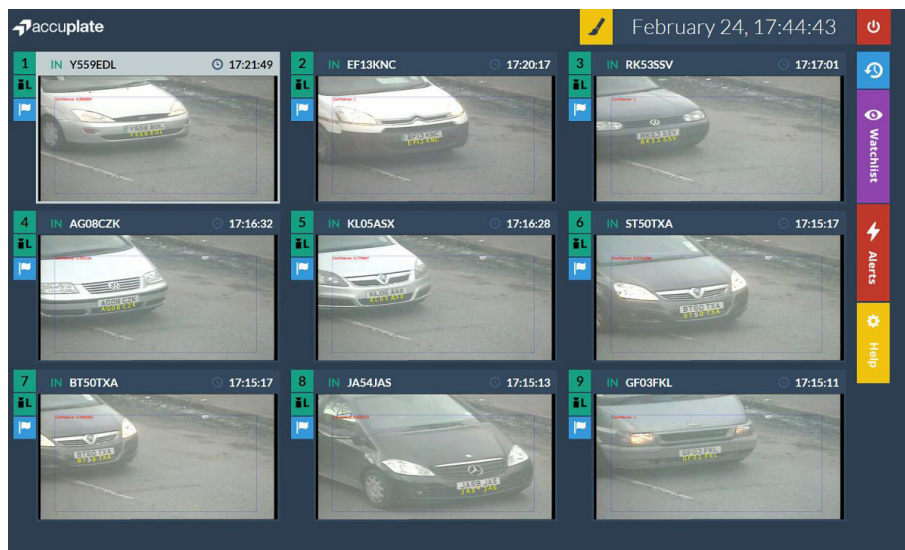
Canon

	Key Information
Software Functions	• Automatic number plate recognition • Vehicle access control
Key Camera Models	• High performance PTZ cameras • Full HD: VB-H43/B • 1.3MP: VB-M50B
Key Intelico Solutions	• Accuplate advance recognition engine
USPs	• Fast and accurate plate acquisition • Colour image capture across 3-lanes • Unique IR Band Pass Filter delivering outstanding low-light performance • Easy integration and set-up

This functionality is effective in a variety of situations, particularly in the smart city, government and transport industries. In addition to improving security, this includes being able to identify cars that have overstayed in car parks, which can be linked to payment fines. For logistics and fleet management scenarios, it can monitor delivery vehicle arrival and departure times, and how long they stayed on-site for to help improve efficiency.

ported, reveals new levels of clarity to monochrome images. This significantly improves the solution's ability to capture clean and clear vehicle licence details under any condition.

With Accuplate's analytics capabilities, combined with the ability of the VB-M50B to switch to Clear IR View Mode, a filter and functionality that is unique to Canon, capture rates are significantly improved – especially in challenging lighting conditions. Accuplate's seamless integration with the VB-M50B also provides total controllability via the simple to use operator interface.

While image quality with all of Canon's network cameras is of an extremely high standard, especially in colour, the addition of technologies such as Clear IR mode and built in IR LEDs, where sup-

Canon Europe Ltd
3 The Square
Stockley Park
Uxbridge
Middlesex
United Kingdom
UB11 1ET

Tel: +44 208 588 8000
Fax: +44 208 588 8001

www.canon-europe.com

Canon (UK) Ltd
Woodhatch
Reigate
Surrey
United Kingdom
RH2 8BF

Tel: +44 1737 220 000
Fax: +44 1737 220 022

www.canon.co.uk

Canon Ireland
3006 Lake Drive
Citywest
Saggart
Co Dublin
Ireland

Tel: +353 1205 2400
Fax: +353 1205 2525

www.canon.ie

Canon