



Cell: +27 (0) 82 924 4642 Tel: +27 (0) 10 590 6882 Fax: +27 (0) 86 265 1503

Block B • Eastgate Office Park • South Boulevard Road • Bruma • 2198

P.O Box 40037 • Cleveland • Gauteng 2022 • South Africa • E-mail: info@csas.co.za

SHOPPING MALL & SUPERMARKET CAMERA SECURITY SOLUTIONS

INCREASING DEMAND – NEW CHALLENGES

INFORMATION FLOOD

- ◆ Little security
- ◆ High cost
- ◆ Privacy problems



AUTOMATED VIDEO SURVEILLANCE

INTELLIGENCE FOR EVERY NEW AND EXISTING SYSTEM

- ◆ Camera sees
- ◆ Algorithm analyses
- ◆ Human acts



See



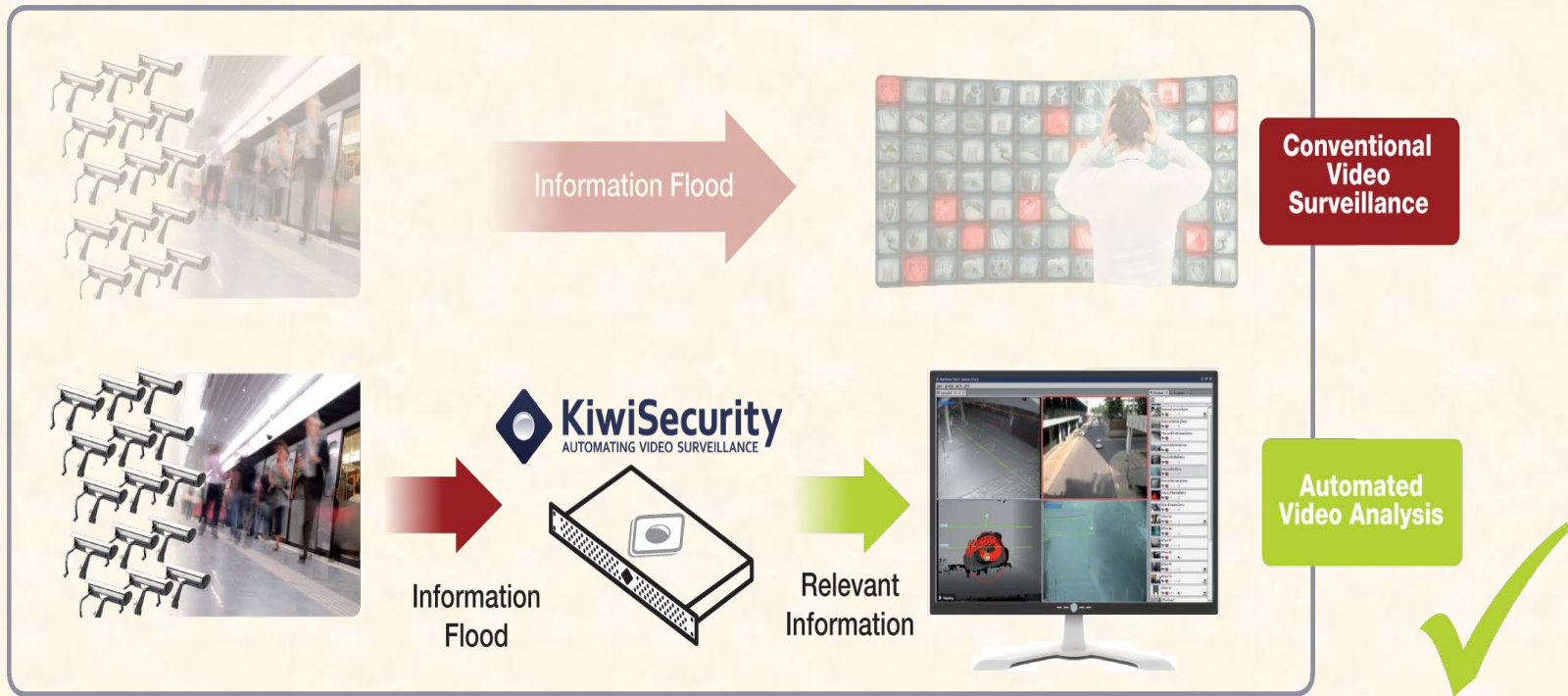
Analyze



Act



AUTOMATED VIDEO SURVEILLANCE



OUR MISSION

Eliminating Every False Alert

With the most accurate detection of key information
even in most critical and demanding situations



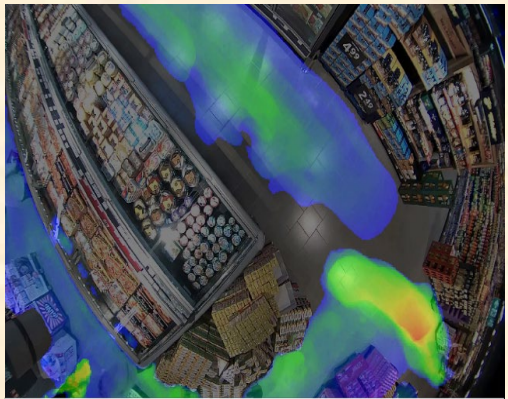
KiwiVision® Video Analytics



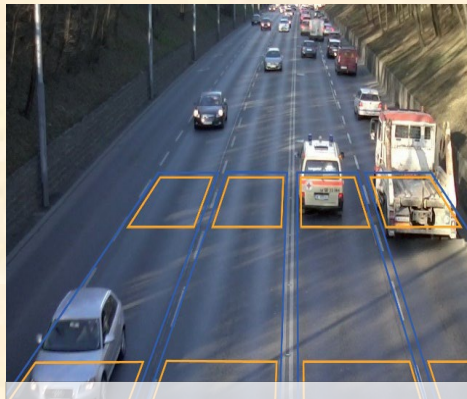
Security



Privacy Protection



Business Intelligence



Traffic Intelligence



Video Control Centre



Remote Video Monitoring



Alert Verification

SOFTWARE AS A SERVICE

The screenshot displays a software interface for vehicle management and monitoring. The top navigation bar includes tabs for Manage, Alerts, Vehicles, Sites, Devices, Clients, Reports, Financials, and Configuration. Below this, a toolbar contains various icons for functions such as Work In Progress, Monitoring, Sightings, Whitelist, Blacklist, Mismatches, Overstays, Ticketing, Manual Review, Evidence Review, Matched, Orphans, Permits, Pay by Phone, Pay and Display, Prebooked, and TPS. A secondary toolbar includes Logout, Support, and Help. The main content area is divided into a grid of camera feeds and a data visualization panel.



The camera feeds are organized into three rows and three columns, each labeled 'TPS Chatham Camera 1', 'TPS Chatham Camera 2', and 'TPS Chatham Camera 3'. The first row shows a white car (S144YNM), a pink car (N1L9787), and a purple car (T683UAN). The second row shows a grey car (S144YNM), a dark car (N1L9787), and a dark car (T683UAN). The third row shows close-up license plate images for S144YNM, N1L9787, and T683UAN. Each camera feed includes a timestamp of 2009-08-18 12:44:09 or 12:44:24.

On the right side, a large image shows a close-up of the purple car (T683UAN). Below it is a line graph with a legend. The legend includes: Alert:0 (green), Alert:1 (orange), Alert:11 (yellow), Alert:14 (red), Model (blue), Std Dev (black), Live Results (dyn) (grey), and Live Results (black). The graph shows a peak in activity around 10:00, with a vertical orange bar indicating a specific event.



BLINK – PARKING MANAGEMENT





Site Name:  **Contacts** 
Name Tel Email

Please click on any Site on the map to the left to display its settings

Address :

 City:
 Location:
 Post Code:
 Region:
 Country:


Type 

Regime 

X: Minutes Y: Minutes

No Return within:
 Minutes

PCN Level

Permit 



MISMATCHES - % ACCURACY CHECKS!

Blink

Manage Alerts Permissions Sites Devices Reports Financials Configuration


Work In Progress Monitoring Sightings Mismatches Overstays Ticketing Manual Review Evidence Review Matched Orphans Permits Pay by Phone Pay and Display Prebooked TPS TPS Blink

Monitoring Entries Contraventions Park and Go

Logout Support Help

IN [Confirm Match](#) OUT [View Out to In](#)

Correction: Save [Discard Sighting](#)

IO	Plate	SeenDate	Camera	C
182768	T644MGT >>	2009-09-15 14:03:57	TPS Chatham Camera 3	22
182563	L853WNF >>	2009-09-15 12:02:42	TPS Chatham Camera 1	22
182404	R733ENB >>	2009-09-15 09:55:53	TPS Chatham Camera 3	90
182378	GF02TZH >>	2009-09-15 09:32:52	TPS Chatham Camera 2	50
182334	A455CKR >>	2009-09-14 21:24:08	TPS Chatham Camera 3	22
182312	V594HDU >>	2009-09-14 21:01:01	TPS Chatham Camera 2	78
182238	Y594BKK >>		27 TPS Chatham Camera 2	45
182211	L485GKL >>	2009-09-14 18:31:05	TPS Chatham Camera 2	90
182052	P269FKL >>	2009-09-14 17:00:48	TPS Chatham Camera 2	87
181923	N534AMM >>	2009-09-14 15:15:59	TPS Chatham Camera 3	60
181907	X327CVV >>	2009-09-14 14:49:33	TPS Chatham Camera 2	42
181901	GJ07KZN >>	2009-09-14 14:41:43	TPS Chatham Camera 2	89
181764	VN53UYA >>	2009-09-14 12:54:22	TPS Chatham Camera 1	90

Correction: Save [Discard Sighting](#)



AUTOMATIC NUMBER PLATE RECOGNITION

- ✘ Accuracy is everything
- ✘ 10% inaccuracy on 100,000 vehicles will mean 10,000 vehicles to check manually!
- ✘ Most offered systems in South Africa achieve less than 80% accuracy rates.
- ✘ You need the right ANPR cameras and correct software.



A STRUCTURED PLAN

- ✘ Capture Licence Plates to alert against Black list
- ✘ Compare Plates against central database
- ✘ Capture a face to compare against database
- ✘ Confirm face against face blacklists
- ✘ Capture Licence Plates to alert against white list
- ✘ Provide white list clients with incentives to shop
- ✘ Manage client from first entry to last exit.



FACIAL RECOGNITION SYSTEMS

FRS Access II, 200 Users, All Rights Reserved to Ex-Sight.Com LTD (C) 2008

Access

Ex-Sight.Com

Repeated: 1234 07/16/2009 11:59:06

IOD: 94



IOD: 94

Door Status | Open

Access Granted to: 1234 Matching Attempts: 1

User Data

ID	1234
Full Name	Niall Beazley
Job Description	Director
Supervisor Name	Joe Bloggs
Valid Until	31/Dec/09 00:00:00 AM
Additional Comments	
Time Zone Name	Default

Last Person Entered: 1234- 100% - OUT Entered At: 16/Jul/09 11:58:59

Copyrights Ex-Sight.Com LTD (C) 2008

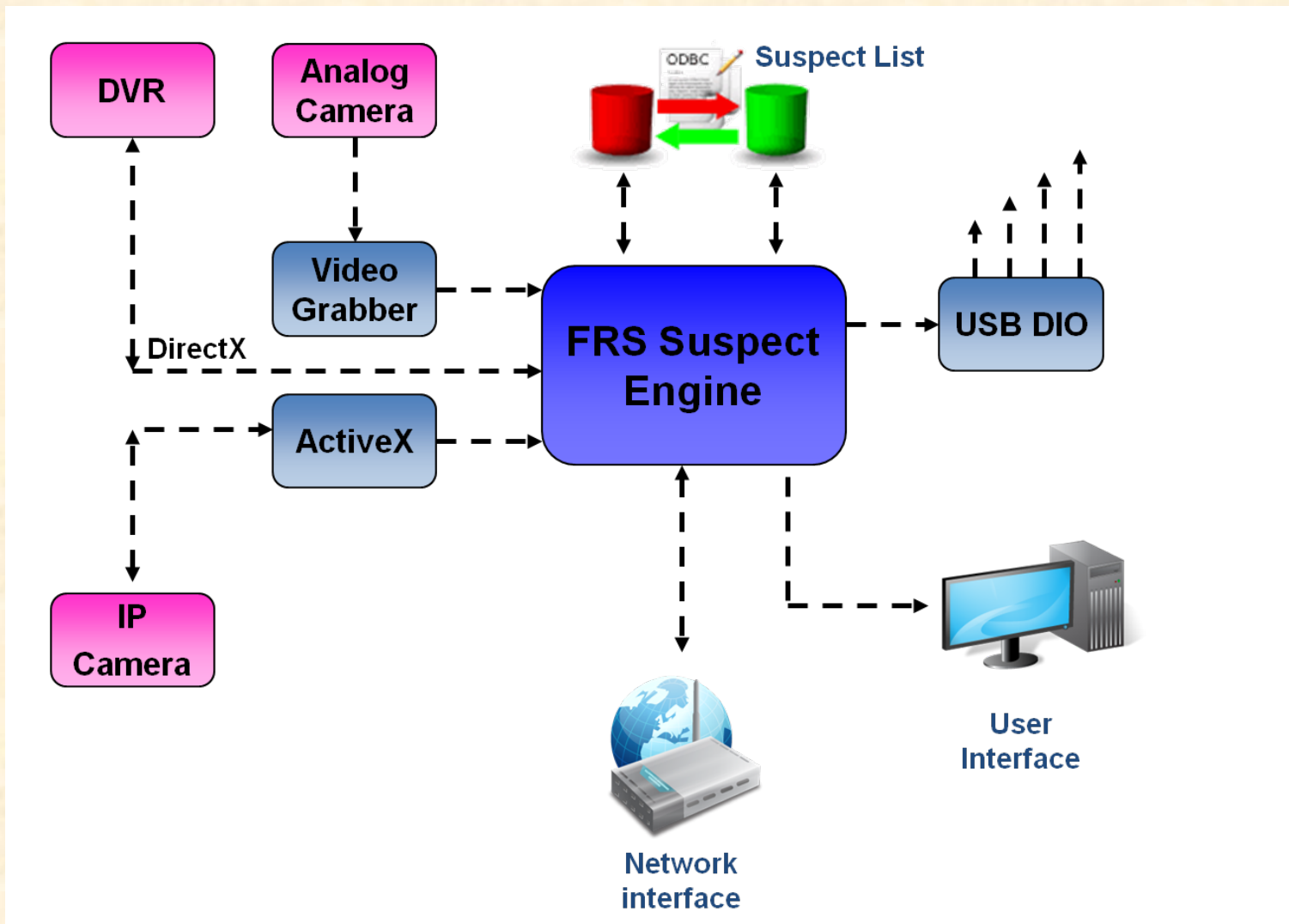
www.Ex-Sight.Com



ACCURACY OF READ?



FRS INTO SUSPECT DATABASES



CONSTANT FACE ACQUISITION



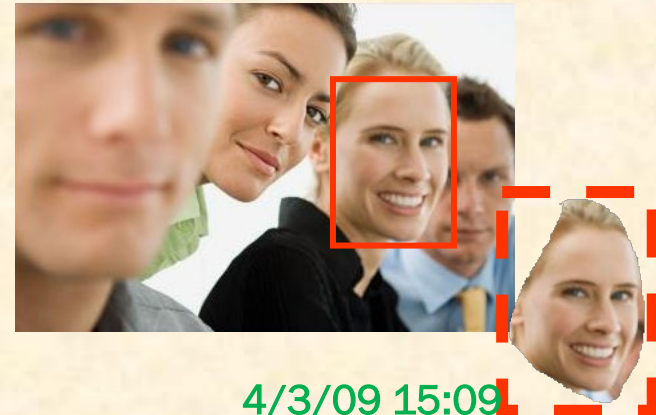
2. Image Storing



3. Batch Processing:
-Face Cropping
-Face Enrollment



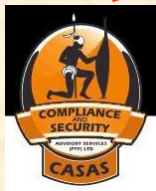
1. Image Capturing



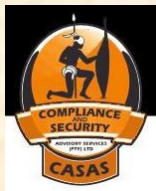
4. Image Tagging:

Lisa K.

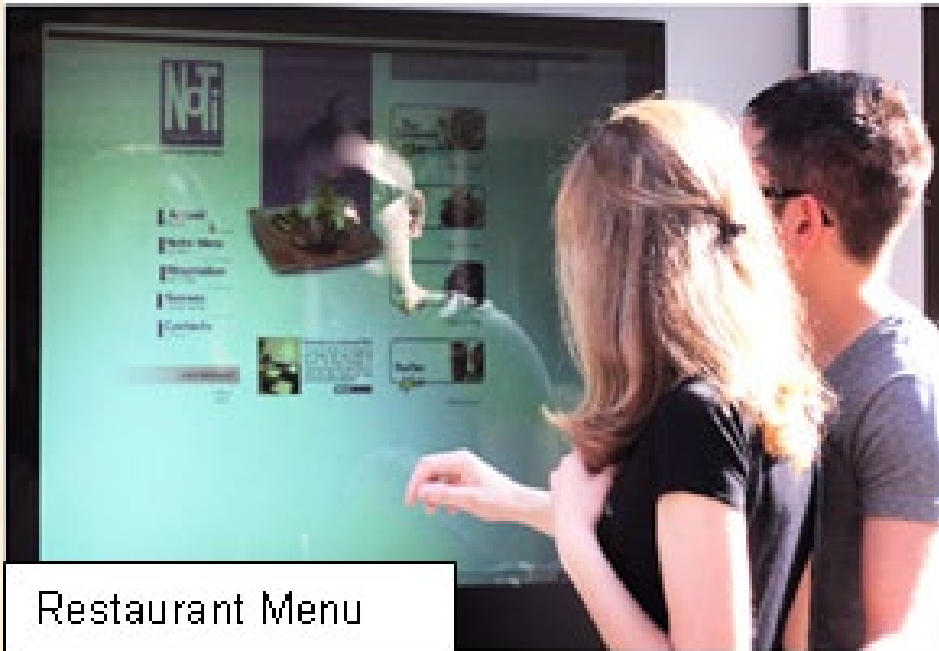
5. Search Capabilities



VETRINA - 24/7 SHOPPING



VETRINA – TOUCH/LESS INTERFACE



Restaurant Menu

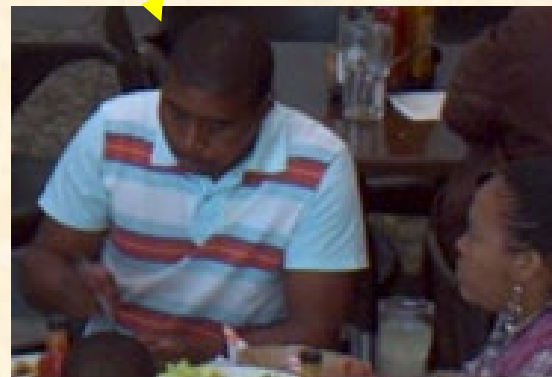
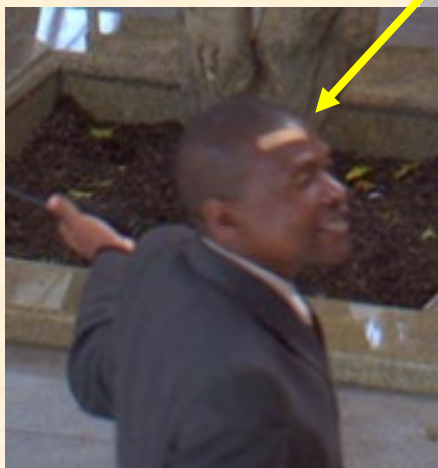


Touchscreen interface

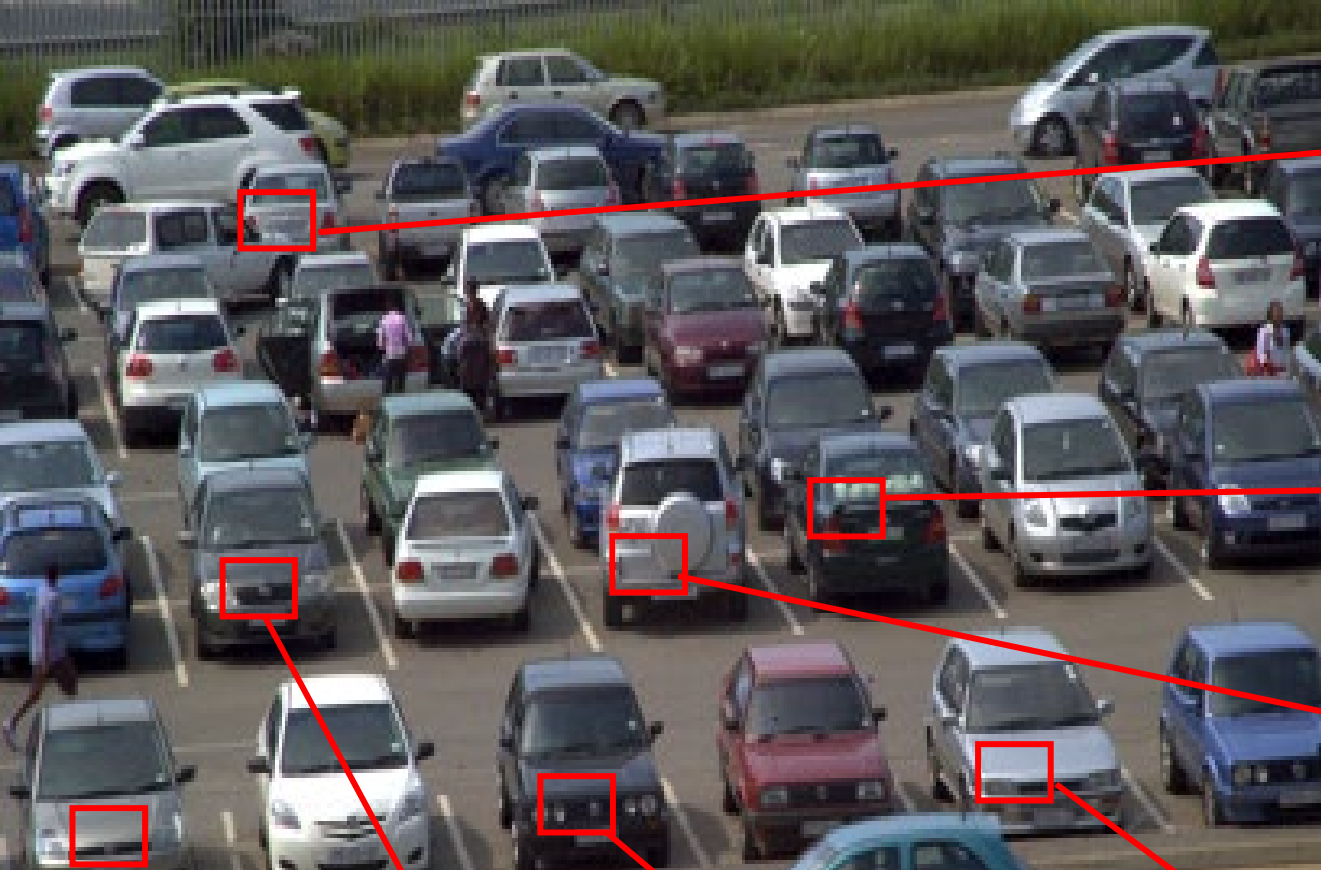
Place a camera behind the shop window and the display can interface to facial recognition for accurate sales and marketing information



ARECONT VISION - HIGH DEFINITION SURVEILLANCE

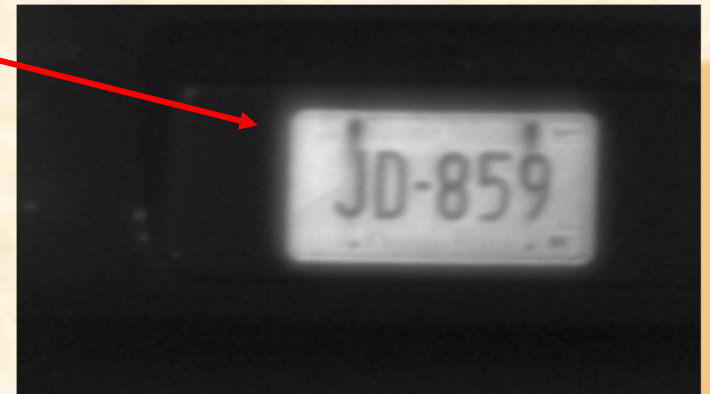


Accurate Face Snapshots from 40 meters



70+ meters

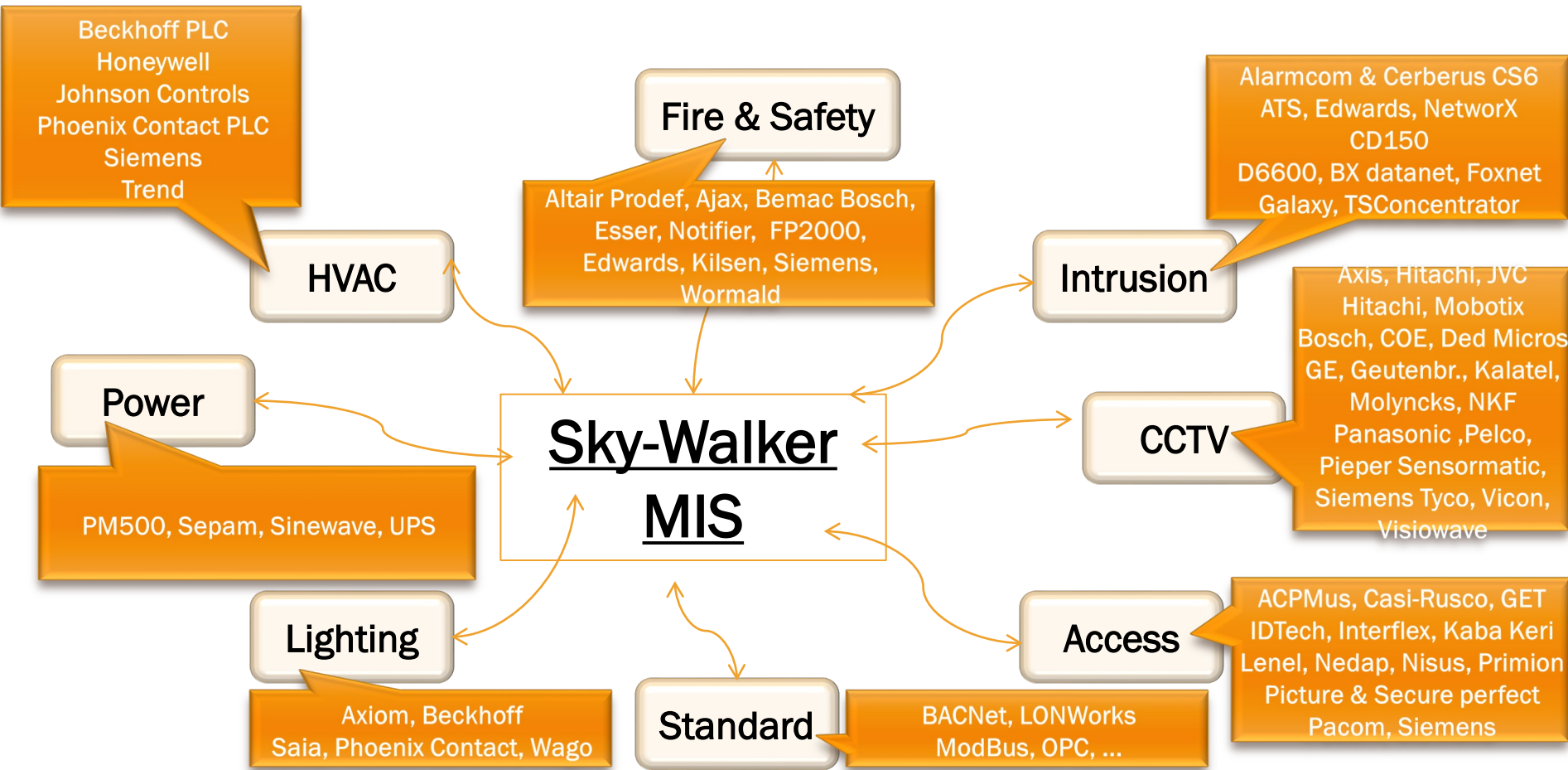
NIGHT TIME NUMBER PLATES



SKY-WALKER - MANAGEMENT INFORMATION SYSTEM



INTEGRATING ALL SYSTEMS INTO ONE



A TRUE OPEN ARCHITECTURE SOLUTION

END OF PRESENTATION

THANK YOU FOR YOUR ATTENTION

QUESTIONS

