

# Evo8



## **CA Traffic** the next generation

Setting a new benchmark in cost-effective high-performance ANPR, **Evo8** is a new generation smart camera developed from the ground up by CA Traffic. **Evo8** provides a completely self-contained ANPR solution, incorporating:

- Infra-red ANPR camera for 24 hour operation
- On-board processor and ANPR software
- Optional recognition of plates in two lanes simultaneously
- Optional high-resolution colour overview camera
- Recognition of plates from ALL European countries
- High Power infra-red LED illumination with 25m range
- 3G, Edge, GPRS, Wifi and Ethernet communications
- Live high-resolution digital video over gigabit Ethernet

Just connect a power cable and **Evo8** is up and running. Multiple cameras at the same location communicate with one another using a wireless LAN, so only a single network communications channel is required – no need for one SIM per camera.

Whether for journey time, enforcement, intelligence, tolling or access control, **Evo8** has all the required capabilities. CA Traffic provides a wide range of mounting options and a full installation and maintenance service – and of course seamless integration with the CA Traffic **Evolution** journey time system.

## Contact US

For more information on our products and services please contact us.

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## Specifications

Infra-red sensor resolution (single lane version)	800 x 640 pixels (progressive scan)
Infra-red sensor field of view (single lane)	2.9 metres (road width)
Range (single lane)	22 metres
Frame rate (single lane)	50 frames/sec
Infra-red sensor resolution (two lane version)	1280 x 1024 pixels (progressive scan)
Infra-red sensor field of view (two lane)	6.5 metres (road width)
Range (two lane)	28 metres
Frame rate (two lane)	25 frames/sec
Optional colour sensor resolution	1280 x 1024 pixels (progressive scan)
Colour sensor field of view (width)	Dependent on lens specified
Lenses	C-mount; 25, 35 or 50mm focal length
Illuminator wavelength	880 nm
Maximum vehicle capture speed	155 mph (250 kph)
Maximum mounting angle (azimuth/elevation)	35°
Local non-volatile memory	16GB Industrial SD card
Cellular Communications	GPRS (Class 12), Edge, 3G (7.2MB HSDPA)
Wireless LAN	802.11 a/b/g 54 Mbps
Local clock/calendar (battery backed)	Synchronised to host via SNTP
Ethernet	IEEE802.3ab 1000BASE-T
Wired Serial Communications	2-wire RS232
Power supply	48V dc (200m cable length)
Maximum power dissipation	25W
External inputs	2 (volt-free contact closures)
External outputs	2 (relay coil drivers)
Connecting Cable (power, inputs, outputs, serial)	6 twisted pair with overall shield
Connecting Cable (Gigabit Ethernet)	4 twisted pair with overall shield
Ingress protection rating	IP68
Operating temperature range (ambient)	-20° to +60° C
Weight	3.5kg including sunshield
Dimensions (including sunshield)	H: 185mm W: 224mm D:250mm
Construction (Body)	Cast aluminium
Construction (Sunshield)	Moulded polyethylene