

# 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.

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### DISTRIBUTION FRANCE

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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                    |