

**OUR PRODUCTS
FACT SHEET**

LaserCam

DIGITAL SPEED CAMERA



MAJOR FEATURES///MAJOR FEATURES///MAJOR FEATURES///

POLTECH's LaserCam Speed Camera System combines the very best in digital image capture with highly accurate laser speed detection.

The unique, patented technology of the LaserCam digital camera is its dual-lens image-capture system. LaserCam captures two images of an infringing vehicle concurrently: a wide angle lens captures an image of the vehicle in its immediate surroundings and a telephoto lens captures a close-up image of the vehicle. This ensures effective identification of a targeted vehicle at all times.

The system can be used portably, with operator set-up taking only 2-3 minutes. LaserCam can also be simply and quickly mounted inside a vehicle for covert use if required.

LaserCam can be manually used to target vehicles, or the system can be set in Automatic Mode.

KEY COMPONENTS///KEY COMPONENTS///KEY COMPONENTS///

LaserCam componentry is modular in design, enabling users to customise a system to their specific needs and take advantage of further developments of the research & development team at Locktronic Systems (a 100% subsidiary of POLTECH International Ltd).

The LaserCam system will typically include the following items:

- > LaserCam dual lens camera
- > Laser speed measuring device
- > Portable field Computer with internal M/O Drive
- > WORM Disk (Write Once Read Many) with a capacity to store 55,000 dual images per disk
- > A remote flash system
- > LaserCam capture program
- > Portable batteries
- > Battery chargers
- > High quality, heavy duty tripod & pan / tilt head
- > High quality, field computer support stand



LaserCam

> CONTACT US

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MAJOR BENEFITS///MAJOR BENEFITS///MAJOR BENEFITS///

LaserCam offers users a supplementary method of traffic monitoring to the traditional policing procedure of interception and issue of a traffic infringement notice.

Costs of LaserCam technology are very rapidly recouped from income generated by more efficient detection of irresponsible driver behaviour.

Road safety outcomes can be further enhanced through programs funded from budget growth.

LaserCam technology, when supported by an efficient infringement processing system such as Minotaur, can change the driving behaviour of a whole community in a relatively short timeframe.

LaserCam's digital image capture system eliminates use of film and video - and all associated operating costs.

Image retrieval time is measured in seconds, not minutes, hours or days.

Digital images can be stored at one central site.

Other selected locations (such as other police stations) may be given access to view images via local area network or by modem and telephone line.

Storage/archiving costs are extremely low - particularly when mass storage devices such as Magneto Optical Drive units are utilised.

With images simply accessed via PC, operator activity for processing infringements is flexible and focussed.

If interfaced with a comprehensive digital infringement processing package (such as POLTECH's "Minotaur" system), all operations can be performed at one screen, significantly reducing processing time.

Searches can be performed on infringements by any number of different criteria.

Evidential Integrity is one of the most attractive features of a modern digital imaging system

- > *LaserCam has a provable, secure evidentiary path.*
- > *Photography and video are susceptible to alteration.*



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Major Benefits continued...

- > **Digital imaging employs embedded security** - LaserCam images are encoded with a digital signature produced by software algorithms which are attached to the infringement record at the time of storage.
- > **If infringement data is electronically downloaded or copied from a WORM disk to another storage media it will still be accompanied by the original signature.**
- > **At the time of infringement data processing (during the adjudication process) a second-level signature is compiled from the original infringement record**
- > **Any electronic tampering with the original or copied digital record will result in a mismatch between the secondary and the original digital signature and will therefore be detected.**
- > **By recording captured images directly to a WORM (Write Once Read Many) disk, the information stored is impossible to alter information without destroying the storage media itself.**

OPTIONAL EXTRAS///OPTIONAL EXTRAS///OPTIONAL EXTRAS///

There are a number of options that can be supplied with the LaserCam system:

- > **Auxiliary / remote flash system**
- > **Radio telemetry system**
- > **LAN connection**
- > **ISDN / PSDN data transmission**
- > **"Laserdis" - POLTECH's proprietary Infringement Viewing Program**
- > **"Minotaur" - POLTECH's Licensed Adjudication and Viewing Program**
- > **Optical Character Recognition**

TECHNICAL SPECIFICATIONS///TECHNICAL SPECIFICATIONS///

- > **Capture range: 40 to 100 metres**
- > **Speedrange: +/-320 KPH (+/-200 MPH)**
- > **Speed acquisition: 1/3 second**
- > **Speed accuracy: +/-2 KPH (+/-1 MPH)**
- > **Power: 12 Volt DC**
- > **Operating Modes: Manual or Automatic**
- > **Dimensions: 17 X 30 X 23 cm**
- > **Weight: 5.0 Kg**
- > **Eye Safety: Certified Class 1 eyesafe**



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