

#### Number Plate Recognition (ANPR)



**SCOUT's** ANPR application recognizes number plates and compares them instantly with the main database (constantly synchronised and updated, via modem, with the Headquarters server)

- All European number plate databases are available (26 Countries).
- IR cameras can be connected for recognizing number plates at speeds of up to 125 mph (200 km/h).

#### GPS Localization



**SCOUT** has an integrated GPS module which allows:

- Localization on a map of all Scouts operating in the territory.
- Referencing of all the images/videos with geographic coordinates.
- Contextualization on a cartographic map of all video recorded or transmitted.

#### Video Transmission

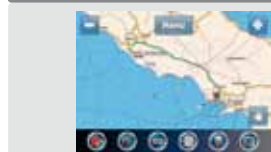


**SCOUT** includes a powerful compression codec, fast transmission software and an HSDPA/UMTS/EDGE modem. It can transmit and receive videos in less than 2 seconds.

- To/from the Headquarters/Control Room.
- To/from other vehicles equipped with Scout.

Furthermore, the video can also be displayed through a simple browser without any special software installed on the PC.

#### Navigation



**SCOUT** has an innovative navigation system:

- EU country maps (Tele Atlas).
- Friend car localization.
- Destinations can be sent from the Headquarters/Control room to the Patrol cars in the field.
- Police POI.

#### Video Recording



**SCOUT** allows:

- Recording from 8 up to 64 hours of video, (at a resolution of 640x480 and at 25 fps) on a removable Compact Flash card (up to 32GB).
- Connection up to 8 video sources (4 analog cameras, 4 IP, 1 or 2 embedded microcameras).
- Video recordings can be Bookmarked.
- Video and data can be encrypted and digitally signed.
- Every frame is overlaid with:
  - Date/Time stamp
  - Officer/vehicle ID
  - GPS Coordinates

The content acquired is indexed for subsequent multimedia search/analysis. Recorded video can be downloaded via Wi-Fi on return to Headquarters.

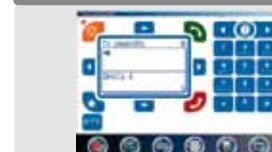
#### Fingerprint Recognition



**SCOUT's** integrated Fingerprint reader (optional) enables officers to:

- Scan a fingerprint and compare it with the internal AFIS standard Database.
- See photos and data of the recognized person present on the Database.
- Upload, in real-time, newly-acquired fingerprints and photos to the Database.
- Login to Scout using their own fingerprint.

#### VoIP/Radio Communication



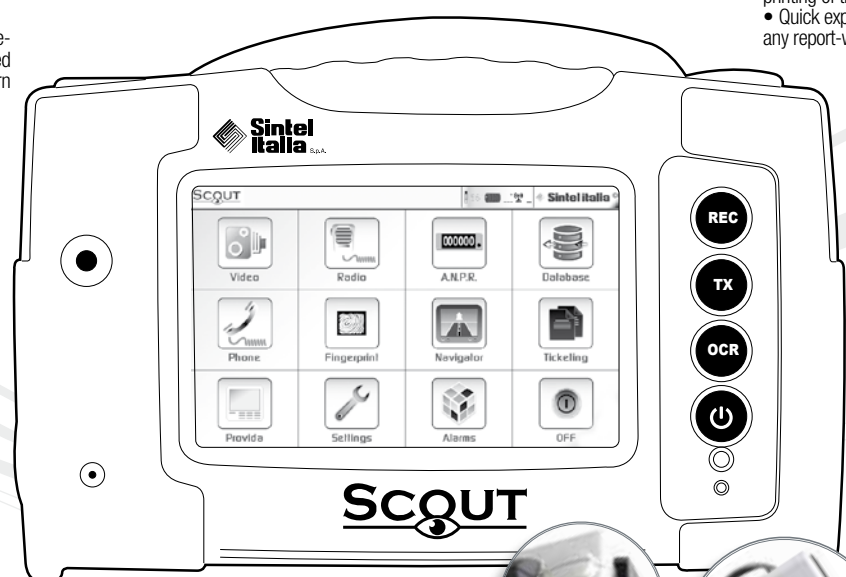
**SCOUT** allows the complete management, through the Touch Screen, of both the on-board Tetra radio and the VoIP communications, thus allowing the rationalization of dashboard space without the need for additional mountings.

#### Ticketing and Fining



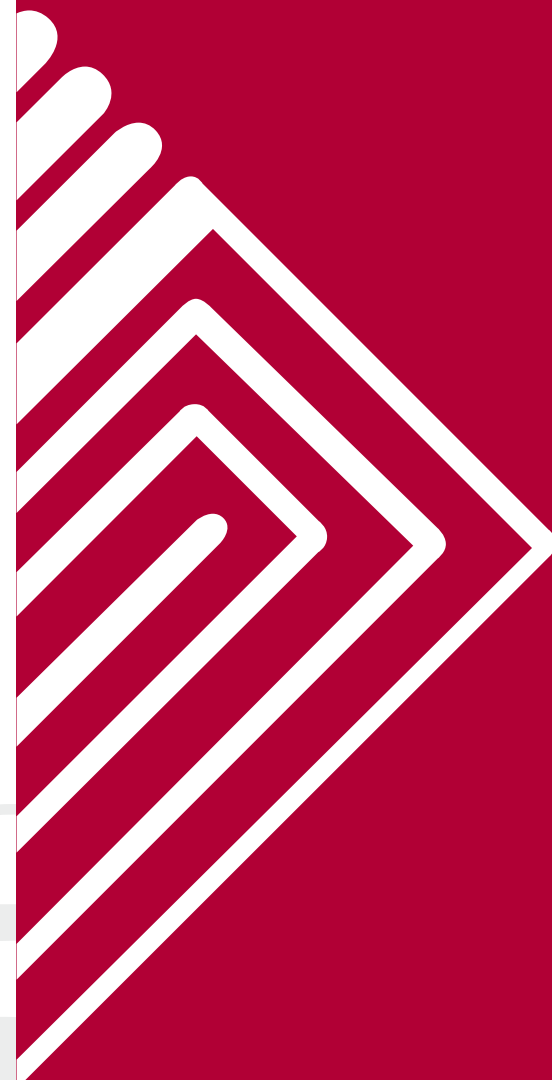
**SCOUT** is an essential support tool for the sanctioning of every kind of traffic violation via its:

- Easy acquisition of video, audio and snapshot pictures of violations (traffic light jumping, illegal parking, bus lane use, manoeuvres ...) overlaid with:
  - Date/Time stamp
  - GPS coordinates
  - Officer/Patrol ID
- Bluetooth™ connection to a wireless keyboard and printer enables in-vehicle editing and printing of the finished report.
- Quick export of pictures and overlaid data to any report-writing software.



#### Technical Specifications

CPU	Intel Pentium M 1.7 GHz CPU (2 Mbyte cache)
OPERATING SYSTEM	Windows XP embedded on a disk on chip
DISPLAY	LCD 7" Touch Screen 16:9 format
MICROCAMERAS	1 or 2 internal microcamera (front+rear)
EXTERNAL CAMERAS	Connects up to 8 cameras
MEMORY	Removable Compact Flash card (up to 32 GB)
NETWORKS	HSDPA/UMTS/EDGE modem with internal antenna
GPS	GPS module 20 satellites with internal antenna
CONNECTIONS	Wi-Fi, Bluetooth™ (optional)
AUDIO	Built-in speaker and microphone
BATTERY	Li-Ion battery life up to 2 hours
DOCKING STATION	Docking station (hot swap) linking power supply, video signals, GPS, modem and external antennas
DOCKING CONNECTIONS	Connections available on docking: 7 x USB 2.0, 16 x GPIO, 3 x RS-232, 1 x Ethernet (optional)
DIMENSIONS AND WEIGHT	28 x 18 x 9 cm - 2.7 kg
CERTIFICATIONS	EMC CE, MIL-STD-810F, IP54, E (automotive)



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# SCOUT

MULTIFUNCTION VEHICLE PC





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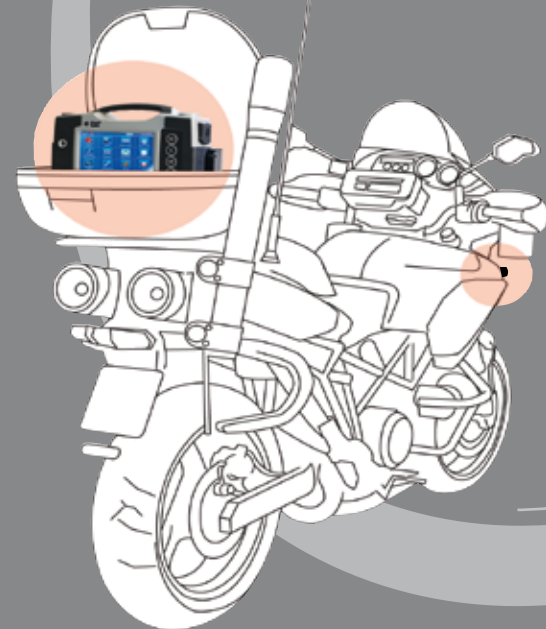
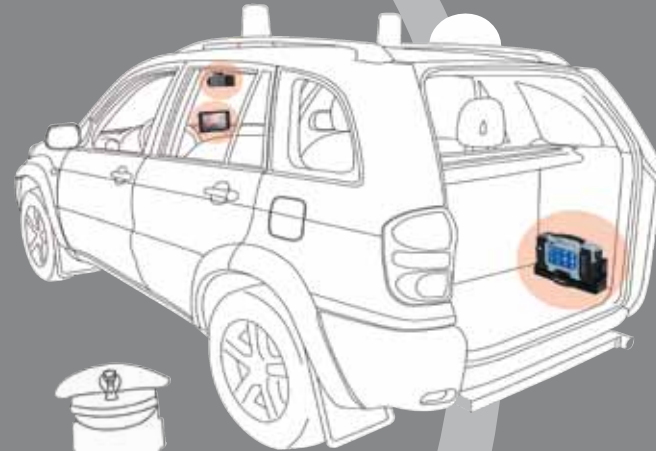
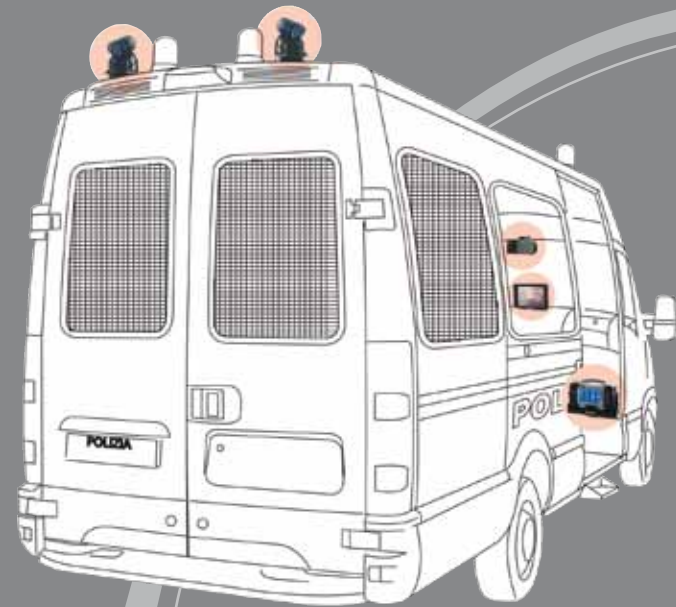
## The optimization of mobile technologies for public safety

### Multifunction Vehicle PC

Scout is a purpose-designed Multifunction Vehicle PC which, in a single compact device, offers portability and functional flexibility so vital to the officers in the patrol car. Scout fits perfectly with all internal vehicle layouts and meets all the demands of officers when on patrol, including operations away from the vehicle, thanks to its extreme portability.



CONTROL ROOM



- Video recording
- Radio
- Number plate recognition
- Access to databases
- VoIP communication
- Fingerprint recognition
- Navigation
- Ticketing
- Provide
- Settings
- Alarms
- Logout



## Operating Environments

### Audio/Video Communication



VoIP/Radio Communication  
Real Time Video Transmission

### Patrol Support



GPS Navigation  
Residents Databases  
Integrates with Legacy/Current Applications  
Audio/Photo/Video Recording  
GPS Localization  
Fining of Illegal Parking and Traffic Offences

### Interaction with Control Rooms



GPS Localization  
Text Messaging to/from the Control Room  
Emergency  
Picture/Video Receipt and Re-routing

Thanks to a unique video compression codec, transmitted images are displayed in the Control Room in less than 2 seconds. Control Room operations can take complete control of the video cameras for all zoom and pan-tilt functions, and the transmitted video can be redirected to any other Scout in the field as well as to other Control Rooms. Furthermore, the video can also be displayed through a simple browser without any special software installed on the PC.

## Cost-Effective Investment



Scout is a highly cost-effective on-board technology. Fitting the fleet with our simple docking station also ensures that Scout can be rapidly transferred from vehicle to vehicle and is always docked in cars on patrol.