Video Recording

- Video Recording 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 micro-cameras).
  • Video recordings can be bookmarked.
  • Video and data can be encrypted and digitally signed.
  • Every frame is overlaid with:
    1. Date/Time stamp
    2. Officer/vehicle ID
    3. GPS Coordinates
  The content acquired is indexed for subsequent multimedia search/analysis. Recorded video can be downloaded via Wi-Fi on return to Headquarters.

Video Transmission

- Video Transmission 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.

VoIP/Radio Communication

- VoIP/Radio Communication allows the complete management, through the Touch Screen, of both the onboard Tetra radio and the VoIP communications, thus allowing the rationalization of dashboard space without the need for additional mountings.

Fingerprint Recognition

- Fingerprint Recognition includes an integrated fingerprint reader (optional) enabling 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.

GPS Localization

- GPS Localization enables:
  • 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.

Navigation

- Navigation includes:
  • 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.

Number Plate Recognition (ANPR)

- Number Plate Recognition (ANPR) includes:
  • Recognition of number plates and comparison 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).

Ticketing and Fining

- Ticketing and Fining includes:
  • 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

- Technical Specifications include:
  - CPU Intel Pentium M 1.7 GHz CPU (2 Mbyte cache)
  - OPERATING SYSTEM Windows XP embedded on a disk on chip
  - DISPLAY 7.5” AMOLED 3.45" 7” LCD 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
  - AUDIO Built-in speaker and microphone
  - BATTERY Li-Ion battery life up to 2 hours
  - 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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Published by Sintel Italia – Marketing – Sintel Italia All Rights reserved
January 2011
Operating Environments

**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 is perfectly suited to the internal vehicle layout and meets all the demands of officers when on patrol, including operations away from the vehicle, thanks to its extreme portability.

**Official Docking Station**

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

**Patrol Support**

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 always docked in cars on patrol.