## Emergency and Man Down

**eXplor** can send an emergency signal, via radio or GSM, to the Control Room and the other eXplors. The activation of the emergency signal also automatically activates the video registration/transmission function.
**eXplor** integrates an accelerometer managing the Man Down function, which activates an alarm signal as soon as the sensor recognizes a stable variation of the operator's position. The alarm signal can easily be switched off by the operator.

## Positioning

**eXplor** integrates a last-generation GPS sensor to continuously track the operator's position. The GPS coordinates are overlaid on each recorded/transmitted image frame, thus allowing the filing and multimedia search and retrieval of all images.
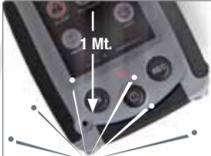
## GSM Communication
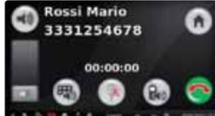
**eXplor** integrates a GSM telephone, for making voice calls/sending text messages to address book contacts or other numbers.

## Heavy Duty

**eXplor**, designed to operate in the harshest of environments, is IP54 and MIL-STD-810F certified (drop-test from a height of 1 meter).

## Video Connectivity

**eXplor** can be connected to any analog videocamera. The accessories include solutions, which can be tailored, for visible, hidden or integrated video shoots.
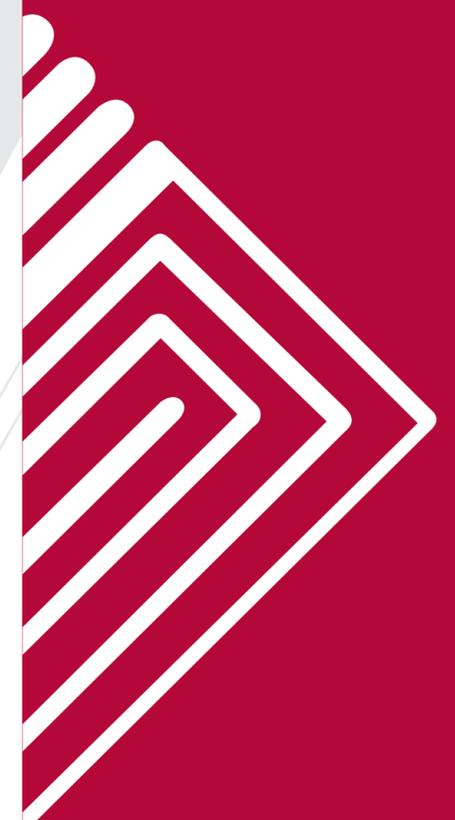
## Sunlight Readable Display

The Touch Screen 3,45" display, based on AMOLED technology, optimises the use of eXplor in all light conditions, allowing the consultation of the most varied resident Databases.

## Operating Continuity

The Hot Swap technology – thanks to an internal backup battery – assures continued operability for the time needed to replace the main battery.

# EXPLOR
## Personal Security Assistant

### TECHNICAL SPECIFICATIONS

| | |
|---|---|
| CPU | ARM® Cortex™ A8 600 MHz with ARM® NEON™ SIMD engine - DSP Texas Instruments |
| OPERATING SYSTEM | LINUX |
| INTERNAL MEMORY | 2 GB Operating system (microSD™ memory card) |
| EXTERNAL MEMORY | 8 GB microSDHC memory card for Data and Video, expandable up to 32 GB |
| BATTERY | 3.7 V @ 6000 mAh (hot swap) |
| NETWORKS | GSM, GPRS, EDGE, UMTS, HSDPA |
| DISPLAY | AMOLED 3.45" Touch Screen, contrast 5000:1, brightness 200 cd/m² |
| CONNECTIONS | Bluetooth™, Wi-Fi, USB OTG (host+device) |
| GPS | Built-in GPS module, 12 channels, sensitivity - 157 dBm |
| PROTECTION | IP54 and MIL-STD-810F (drop-test from 1 m) |
| DIMENSIONS | 145 x 80 x 35 mm, Weight 350 g |

**Sintel italia** S.p.A.

# eXPLOR



Icon labels (top strip): Video recording · Picture transmission · Video transmission · Silent mode · GSM phone · Tetra Radio connection · Emergency / Man Down · Local/remote Database · Menu · SMS text messaging · Messages with attachments

## The very first "Personal Security Assistant"

**eXplor** is a patented product and the first *"Personal Security Assistant"* designed specifically for personal use, to improve the operational capacity, protection and overall performance of law enforcement and emergency services personnel (Police, Civil Protection, Ambulance Services, Fire Fighters, etc.), in all operating circumstances.

On-screen icons: REC · PHOTO · TX · BUZZER · CALL · RADIO · ALARM · DATABASE · MENU · EXIT

Linux

GPS: 41.90660N 12.49233E
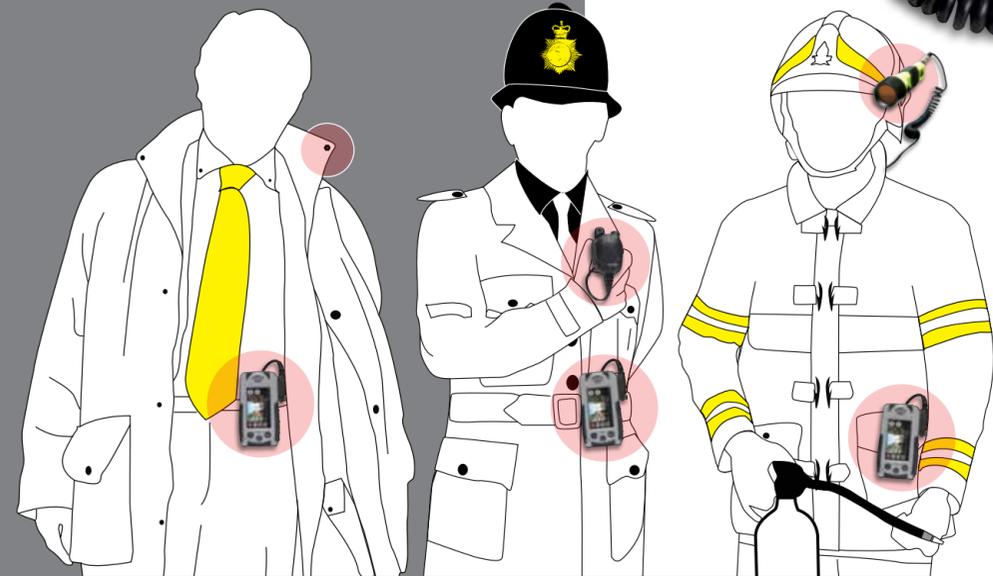
* Real size picture

## Accessories

### Desk Docking Station
**eXplor** comes with a desk docking station for:
- Connection with a PC, via Ethernet or USB, for downloading data and synchronising the Database.
- Recharging the main, the internal and the supplementary battery.

### Vehicle Docking Station
The vehicle docking station transforms **eXplor** into a **"light vehicle solution"** that can be connected to an in-vehicle camera, microphone and external touchscreen monitor to display the eXplor functions.

### Spycam and Casco
**eXplor** can be connected to any (hidden or integrated) camera already being used.
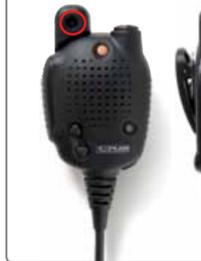
### CAMSAT
The CAMSAT device features a shoulder mic and includes a camera, external mic, loudspeaker and radio (Volume, PTT, Talk Group) and video (Photos, Video Recording, Video Transmission) controls.

## Why choose eXplor

**eXplor** is a compact, practically pocket-sized, ultralight device, with a long battery life. Its numerous functions make it an ideal support tool, especially suited for intelligence-sharing purposes, with respect to operating environments. eXplor, in fact, can be connected to any type of analog camera, whether visible, hidden or integrated with other equipment already in use.

## Operating environments

### Audio-Video Communication
GSM Communication
Bluetooth™ Connection to Radio Terminal
Picture/ Video Transmission
Covert Listening

### Patrol Support
Navigation
Resident Databases
Voice Interface with External Applications
Audio/Photo/Video Recording
Man Down

### Interaction with Control Rooms
GPS Localization
Text Messaging to/from the Control Room
Emergency
Picture/Video Receipt and Rerouting

## Tetra eXplor Connectivity

By means of the CAMSAT device and via Bluetooth™ communication, eXplor manages the functions of radio devices such as the STP800 Tetra Sepura Radio, for which integration has been already completed, as well as of other radio equipment for which the protocol is made available. CAMSAT has, in addition to the radio controls, one microcamera that can complement the Tetra communication capability with recording and live transmission of images.