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.

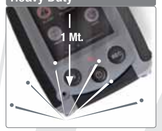
Positioning

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.

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/m^2
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.

Via Carlo Poma, 16
00040 Pomezia (Rome) Italy
Phone +39 06 919641
Fax +39 06 9120935
www.sintelitalia.com
info@sintelitalia.com

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EXPLOR

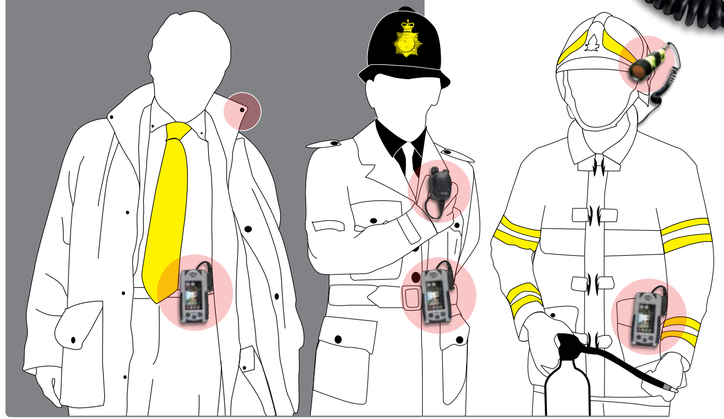
Personal Security Assistant

Sintel italia S.p.A.

eXplor

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.



* Real size picture

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

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.

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.