

Emergency and Man Down



eXplor can send an emergency signal, via radio or GSM, to the Control Room and the other eXplorers. 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 latest-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.

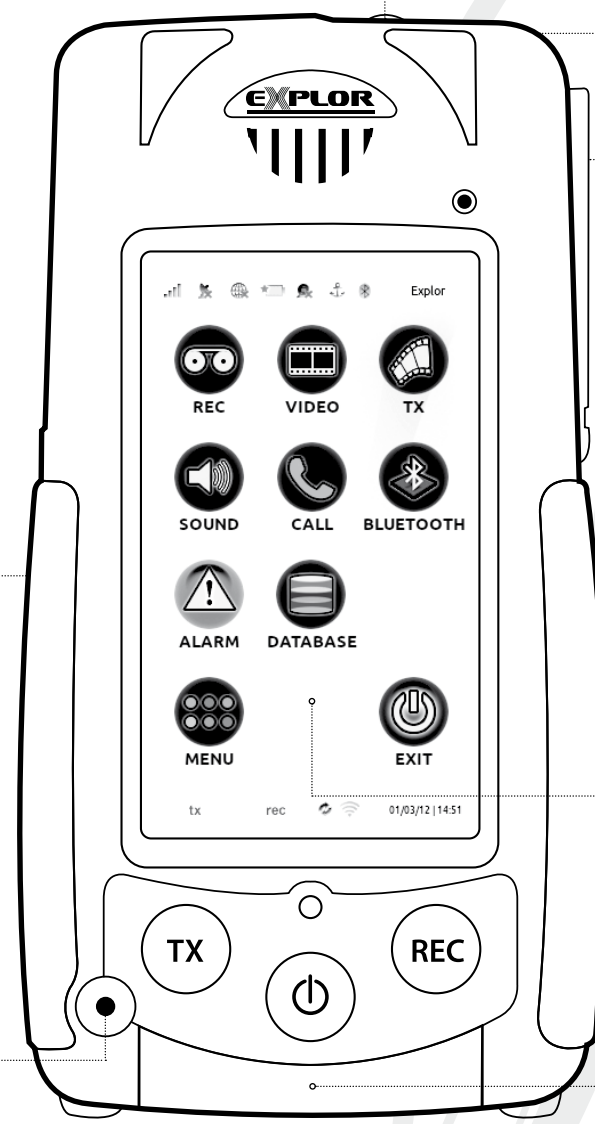
GSM Communication



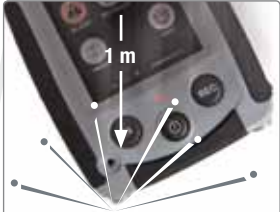
eXplor integrates a GSM telephone, for making voice calls/sending text messages to address book contacts or other numbers.

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 @ 6200 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



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

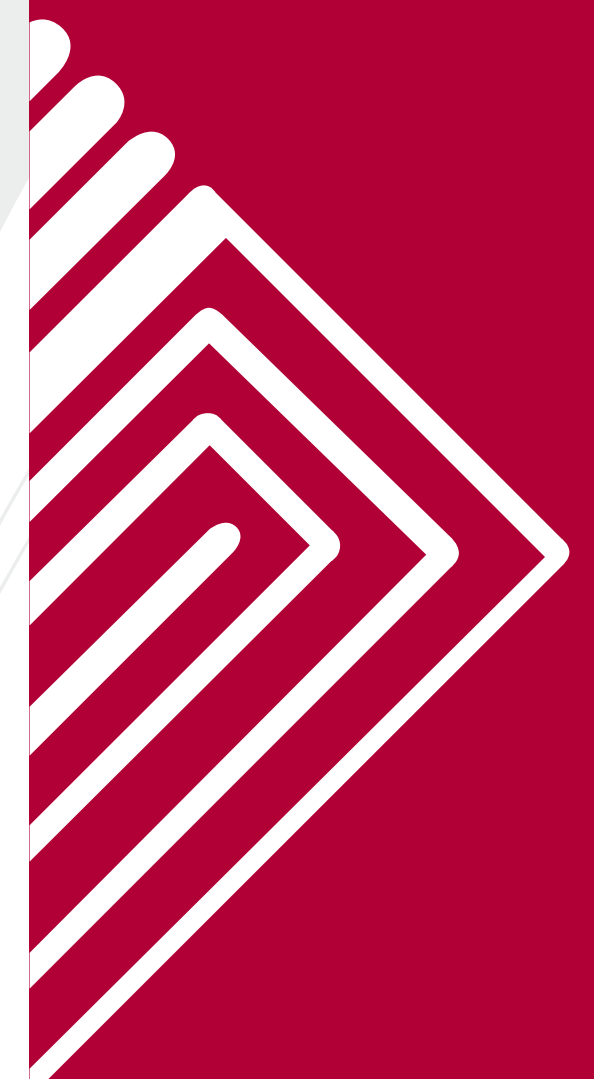


The Touch Screen 3.45" display, based on AMOLED technology, optimises the use of eXplor in all light conditions, allowing the consultation of the most varied resident Databases.

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



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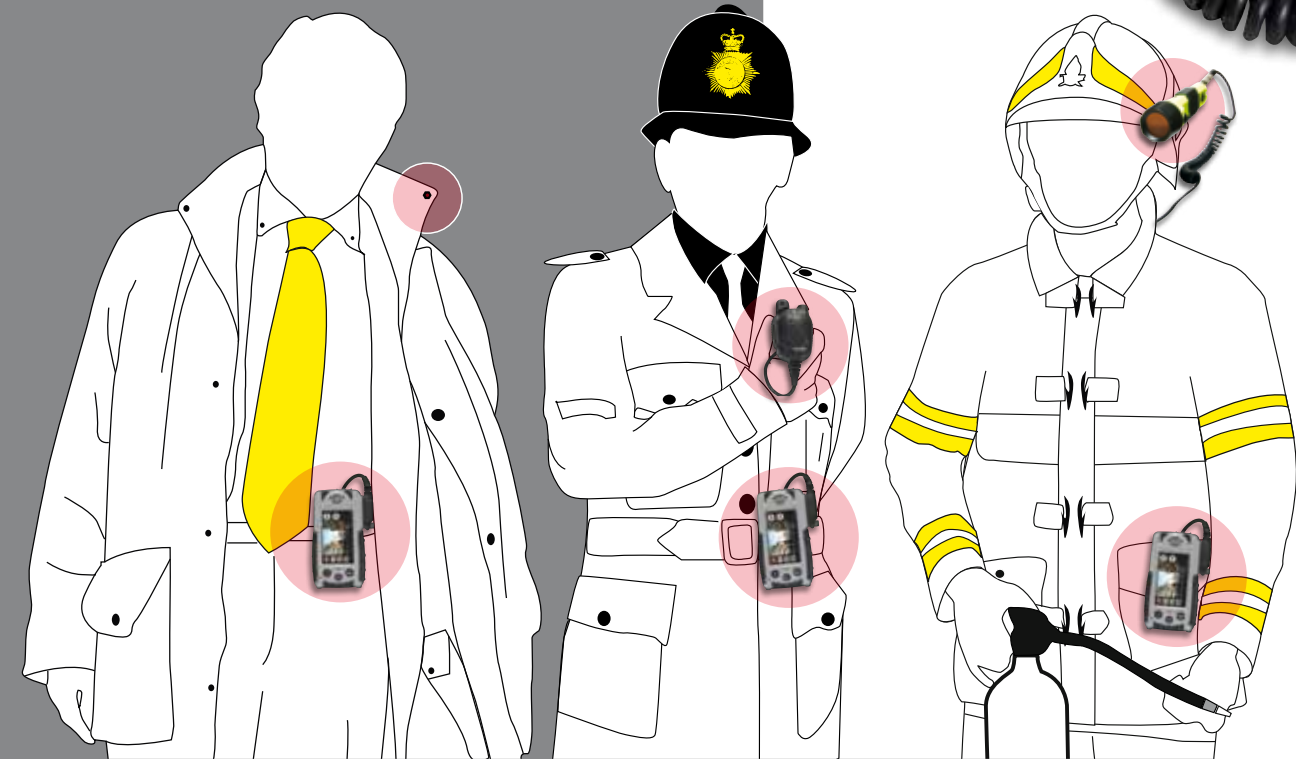
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EXPLOR

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.



- Video Recording
- Picture
- Video Transmission
- GSM Phone
- Tetra Radio Connection
- Emergency / Man Down
- Local / Remote Database
- Messages with Attachments
- Web Browser
- Plate Recognition
- Motion Detection
- e-Document
- Fines

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
- Picture/Video Reception
- Covert Listening

Patrol Support



- Navigation
- Resident Databases
- Voice Interface with External Applications
- Audio/Photo/Video Recording
- Man Down
- Plate Recognition
- Fines and Vandalism
- e-Document

Interaction with Control Rooms



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

Accessories



Docking Desk

eXplor comes with a docking desk 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 Helmet

eXplor can be connected to any (hidden or integrated) camera already being used.



e-Document

The e-Document enables the control of electronic documents. The application software is designed to meet the operational needs of Law Enforcement Officers and Border Guards.



Bluetooth™ Printer

eXplor can link Bluetooth™ printers for fine, notice and receipt printing.



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 STP8000 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.

