

PDA



Handheld device

- Rugged command and control unit
- Three operational modes available: Deployment, mobile and mobile base to adapt to users' needs





PDA

PART OF THE FLEXNET PLATFORM

Flexnet PDA is an Android-based Personal Digital Assistant (PDA) able to communicate with all Flexnet sensors using an integrated short-range radio. Flexnet PDA includes the Flexnet Commander application providing precise and reliable information to the operator. The rugged Flexnet PDA has a touch-sensitive display and dedicated buttons for easy use in any environment under harsh conditions. Flexnet PDA is integrated into the Flexnet Unattended Ground Sensor platform and has three operational modes.

Deployment Mode - Used as a tool for the quick deployment of sensors. The operator can optimize detection performance for all sensors during deployment by reviewing information such as battery status, radio link quality, detection range data and background noise estimation. The camera pictures can be previewed and the camera position adjusted to ensure correct placement for the required

mission. The operator can configure all sensors and cameras during deployment, and any sensor settings made via the Flexnet PDA are automatically reflected at the base station. It also enables an operator to locate deployed sensors using the built-in GPS and compass to guide him to the selected sensor.

Base Mode - The PDA acts as a lightweight, portable base station when a smaller network is deployed and the use of a larger stationary base station is not required. In this mode no other base station is required for operation of the system, allowing full configuration and operation of Flexnet. When using Base mode, the operator can receive and review alarms, view images and videos.

Mobile Base Mode - In this mode, information and alarm data from the main base station is retrieved by the PDA, an essential feature for sharing the operational picture.

Technical specifications

| | |
|----------------------|---|
| Size | 188mm x 94mm x 34mm |
| Weight | 0.6kg |
| Battery | Primary 3.7V 3520mAh Li-ion optional 3.7V 7040mAh Li-ion |
| Temperature | -20 to +60° Celsius in operation |
| Environmental | MIL-STD-810 |
| EMC | MIL-STD-461 |

Performance

| Short-range radio | | |
|---------------------------|---|---|
| Radio frequency | Other frequency upon request | 315-350 MHz 868-870 MHz 906-925 MHz |
| Radio output power | | 0.5W |
| Antenna type | Vehicle and fixed antennas upon request | Whip antenna |

Capabilities

- Handheld, ruggedized Android platform
- Integrated Flexnet radio
- Resistive touchscreen
- Replaceable battery
- Supports maps in GeoTIFF format