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SECURITY AND DEFENSE

HANDHELD THERMAL CAMERAS

Security and defense in five continents

indracompany.com



HANDHELD THERMAL CAMERAS



CLIP cooled camera



EVOL uncooled camera

Highest resolution images in a compact, robust, and low-cost design

Introduction

The Indra EVOL and the Indra CLIP are potent night vision measurement devices that incorporate 3rd-generation thermal technology of the highest resolution: uncooled (EVOL) or cooled (CLIP). In addition, the systems integrate an eyesafe laser rangefinder, a TV camera, an inclinometer for measuring angles, a magnetic compass, and an advanced GPS receptor; all in a compact and lightweight design.

At the push of a button, the user can obtain critical information, such as his position or measurement of target coordinates at distances greater than 10 km. This information is obtained with equal precision regardless of whether it is day, night, or in the presence of smoke, dust, mist, fog, camouflage, etc.

Introduction (continued)

Infrared technology allows for easy detection of people, animals, or vehicles, as these show dramatic contrast in comparison with other means of observation. Infrared technology depends on emission of heat waves, hence providing the user with additional information, such as whether a vehicle has been recently operated, or a person's body-heat trail left behind where they have walked.

It is also possible to adjust all the image parameters manually, through a simple and

intuitive on-screen menu system and six ergonomic buttons easily recognizable by touch. One of the buttons, manipulated with the thumb, is used to activate the laser rangefinder for obtaining quick coordinate measurements.

Thermal or coloured day images and video are ready to be obtained as soon as the system is turned on (calibration is automatic at system start-up).

EVOL uncooled camera system



The Indra EVOL Handheld Thermal Camera System incorporates a laser rangefinder, a digital compass, an inclinometer, a GPS, and a CCD TV camera with a continuous zoom, allowing recording of coloured images and video at the push of a button. It has adjustable ocular pieces and high-brightness coloured LCD screens with OLED contrast technology and completely automatic controls.

The system can operate on one pack of rechargeable Li-ion batteries (included). The low consumption of each individual component within the system permits a high overall autonomy when used in normal operation.

The high autonomy, high MTBF, and low cost of the Indra EVOL make it an excellent choice for applications where robustness and low maintenance are a necessity.

CLIP cooled camera system



The Indra CLIP Cooled Handheld Thermal Camera incorporates all the elements described above for the EVOL system, yet with a high-performing cooled detector allowing for long-range observation and target acquisition. The user can quickly operate the system thanks to the intuitive on-screen menu and the easy manipulation of the ergonomic buttons.

As with the EVOL system, the Indra CLIP system can operate on one pack of rechargeable Li-ion batteries (included). This pack can be directly plugged into the charging socket without the need to be removed from the system.

The Indra CLIP is the most compact and lightweight system for long range applications: an excellent choice for man-portability, surveillance, target acquisition, and patrol ships.



ISO 9001:2000



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