



indra

DEFENSE & SECURITY

INTACT

INTelligence and surveillance TACTical vehicles

State of the art technology, flexibility and supportability are the key in our solutions in surveillance vehicles.

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INTElligence and surveillance TACTical vehicles



Fully-integrated vehicle systems which address modern challenges in reconnaissance, surveillance, border/coastal/ harbour protection, and scouting prior to deployment operations

INTRODUCTION

The need for exploration, reconnaissance, and surveillance in defense and security has changed over time. Danger no longer comes from a large army, but rather from an isolated vehicle loaded with explosives or individuals armed with MANPADS and similar weapons. Hence, traditional methods such as fixed surveillance points or occasional patrols no longer have the desired effectiveness. New solutions are needed to cover extensive areas while protecting them from threats which are increasingly smaller and more dispersed: means with more capabilities and greater flexibility concerning vehicle deployment and operability, as well as transmission of information. INTACT is the solution to this need.

INTACT vehicle systems easily adapt to multiple missions and to various operational, environmental, and geographical situations.

INTACT incorporates radar and an electro-optical platform with a modular design that permits a large array of sensors for greater information acquisition. INTACT's flexibility makes it system-independent, allowing it to be fully integrated with any external command and control or communications system, as well as allowing the client to choose the GIS and HMI. INTACT's proven operability combined with Indra's high expertise as a systems integrator ensures client's needs are met 100%.

CAPABILITIES/MISSIONS

Long range surveillance land, rivers, coastal areas.

High mobility to cover a wide area and for better survivability.

Combined optronic & radar, positive identification at long ranges.

Data can be sent via radio link, VHF radios, satellite link or cable/fiberoptic.

Land/Coastal Radar

Integration of GFE Communications VHF, HF, SATCOM & 5 G Hz

Optronic platform long range IR, HDTV, Rangefinder



FLEXIBILITY & REDUNDANCY

- Location via GPS and compass.
- Long range optronic sensors.
- Several options to integrate existing or new communications.
 - VHF radios.
 - HF radios.
 - 5 Gig datalinks 8 Km.
 - Ethernet /Fiberoptic.
 - SATCOM.

Autonomous with generator & batteries.
Retractable mast up to 10m for observation at long distances.
Shelter with AC/ heater.

MAP/Graphic Information System GPS

HIGHLIGHTS

ELECTRO-OPTICAL system gyro-stabilized with up to 5 sensors for complete day/night coverage.

- Long-Range zoom TV HDCCD camera.
- Long-Range thermal (Infrared).
- Cameras (3-5 μm , 8-12 μm , or dual-band) Laser rangefinder/designator.
- Wide-Field-of-View TV camera with night vision capability.

RADAR

- Optional LPI for stealth operations.
- Radar tracker and trace fusion generation Removable and Man-Portable.

CONSOLES

- GIS (Geographical Information System).
- Electro-optic sensors, radar operation and communications control.
- Target acquisition, Information.
- Transmission, target coordinates, and multimedia.
- Image processing.

MAST

- Height, weight, and other properties of the mast can be varied depending on operational needs.
- Extra tall mast for port protection available.

SHELTERED VERSION

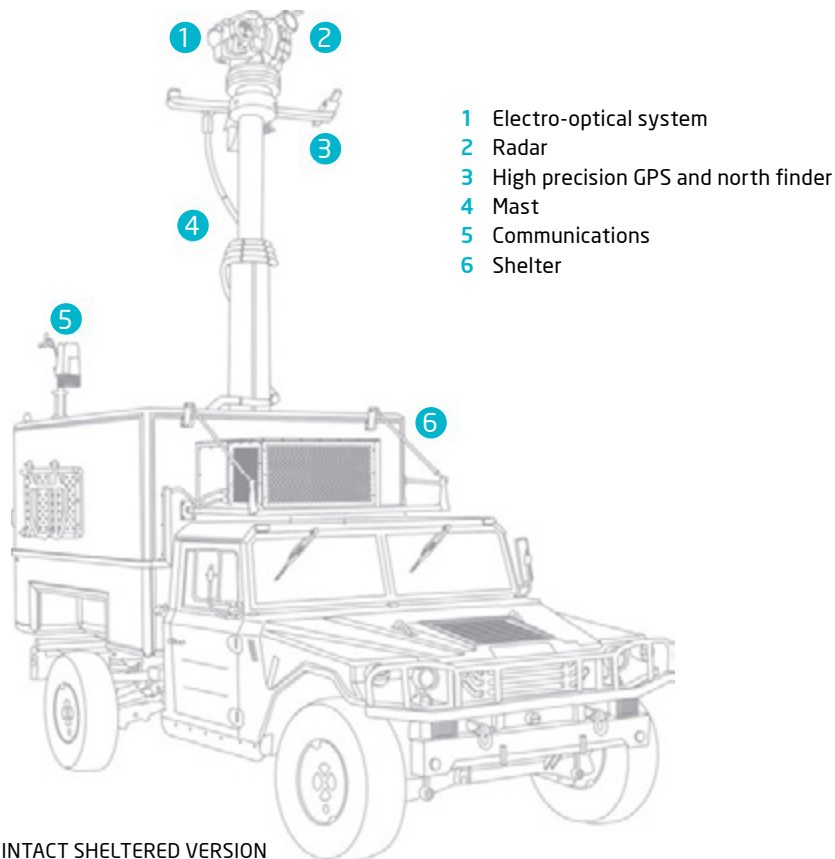
- Self-contained and vehicle-independent Long-range and high analysis capabilities.
- Built-in power generator or towed separately.

4X4 BUILT-IN VERSION

- Greater mobility and faster deployment.
- Integrated BMS (Battle Management System).

REAL-TIME INTEGRATION

- Between INTACT vehicles and any other vehicle and C2 systems.



Long range TV camera

MWIR thermal camera Indra MVt-640

Laser rangefinder

Wide field of view TV camera

LWIR thermal camera Indra sVt-2M3X

Radar



ISO 9001:2000



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