



MARGOT 5000: MANON

Integrated Surveillance Solution



- Dedicated to surveillance purpose and protection of vital and strategic site
- Compact and fully integrated sensor head
- High performance of Detection, Reconnaissance, Identification and Localisation
- Ready to integrate system



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DESCRIPTION

MARGOT 5000 (Manon) is a compact and fully integrated solution including :

- Optronic sensor head : day and Infrared channels, laser range finder and navigation system
- Telescopic mast, pan and tilt motorised platform
- Man Machine Interface : remote control mast and optronic sensors (joystick) , software application

MISSION

The integrated Surveillance System is dedicated to all weather night and day survey mission:

- **Recce & Scouting: Support of armour & infantry:** Stand alone patrol or platoon integrated missions, Mainly mounted combat, Stealth, Survivability,
- **Intelligence: Strategic & Operative reconnaissance:** Through in the enemy depth , Long range patrol, Mainly dismounted
- **Target acquisition functionality**

KEY MESSAGES

- Battlefield Proven : all sub-assemblies are used on major programmes : VBCI and VBL SOURCE (France), BGTI (United-Kingdom), Pandur (Belgium), IGV (Netherland)
- Sensor head and mast are fully folded inside the vehicle for tactical move (unmarked vehicle)
- Integrated boresighting solution
- Compact and low-weight sensor head (< 29 kg)
- O level maintenance capability without specific tools

TECHNICAL DATA

IR Channel

Third generation thermal imager (micro-scanned QWIP : 8 to 12 μm).

- Wide Field of view : $9^\circ \times 6.7^\circ$
- Narrow Field of view : $3^\circ \times 2.2^\circ$
- Electronic zoom (x2) : $1.5^\circ \times 1.1^\circ$

Day Channel

- Fields of View : 2° to 40° continuous
- Scene Illumination : from 10 to 100 000 Lux
- Focus Range : 20m to infinity

Laser range finder

Eye safe Laser Range Finder, 1.54 μm Erbium Glass, range between 80m and 10 000m.

- Wavelength : 1.54 μm
- Multiple target resolution (up to 3) : 50 m

Pan & Tilt platform

- Slip ring: n x 360° in azimuth
- Movement in elevation: $\pm 90^\circ$

Interface

- IP and ethernet capability
- Interface with PR4G and GPS
- Battlefield Management System

