THALES



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

esign and production: THALES Technical characteristics are given for information and subject to change without prior notice. 08 June - 2006

MARGOT 5000: MANON

Integrated Surveillance Solution



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), **İGV** (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°x 6.7 • Narrow Field of view : 3°x 2.2°

• Electronic zoom (x2) : 1.5°x 1.1°

Day Channel

: 2° to 40° continuous : from 10 to 100 000 Lux Fields of View Scene Illumination

 Focus Range : 20m to infinity

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

: 1.54µm Wavelenght

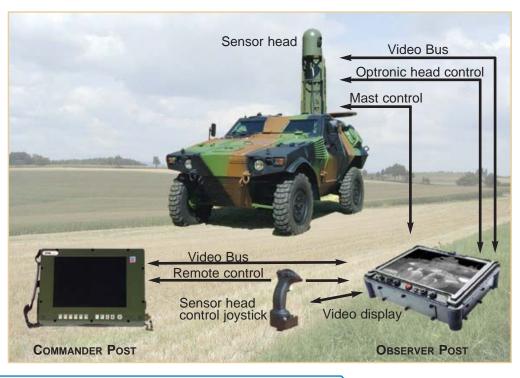
Multiple target resolution (up to 3): 50 m

Pan & Tilt platform

- Slip ring: n x 360° in azimuth
- Movement in elevation: +/-90°

Interface

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



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