bats
Belgian Advanced Technology Systems

Multi–Mission Optronic Stabilized Payload

POP

The system is designed for day and night operations that include observation, surveillance and targeting functions.

The system features rugged, lightweight, highly stabilized four-gimbal construction. It can be supplied in various sensor configurations to meet customer's requirement.

The system may be operated as an autonomous payload or slaved to other designating sources, such as a platform computer, navigation system or radar.

Applications

- Border surveillance and protection
- Critical infrastructure protection
- Harbor surveillance

Features

- Wide range of observation missions
- Airborne surveillance
- Intelligence gathering
- Transmission of both video (TV, FLIR) pictures simultaneously
- Image enhancement
- Area scanning
- Target identification

Specifications

Thermal imager

Sensor format:	Large format 3-5µ InSb FPA Thermal imager (cooled or uncooled)
FOV(°)	
Wide	22.0 X 17.0
Medium	5.0 X 3.7
Narrow	1.2 X 0.9

Day camera (color/BW)

Sensor type:	Monochrome or color CCD
Zoom:	x26
Focal length:	till 280mm

Specifications

Zoom:	diameter (mm)	380
	height	500
Focal length:	weight (kg)	30-35
Angular velocity (°/sec)		60
Night sensor:	Elevation (°)	+10 to -110
FOV (°)	LOS stabilisation (µR)	25
Laser designator :	Interfaces: RS422, 1553B, RS170, CCIR, Digital video	
Laser pointer:	Power requirements	

General

Laser Range Finder:	1.54µm (Eye-Safe).
Laser Designator:	1.06µm
Laser Pointer:	0.83µm

Automatic video tracker (AVT)

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