



MS16

Multi-Sensor Airborne Turret System



LAW ENFORCEMENT

SEARCH & RESCUE

RECONNAISSANCE

COASTAL SURVEILLANCE

BORDER SECURITY

Configurable payload capable of supporting up to 4 sensors

4-axis gyro-stabilization provides stable imagery

3rd Generation large format focal plane array

1.54 μm eye safe Laser Range Finder

Capable to interface with Radar, Moving Map or Navigation system

Ease of Installation and User-friendly control interface

Low cost maintenance





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System Specifications

Turret Type	4-axis gyro stabilized gimbal
Turret Dimensions & Weight	490(H) x 410mm diameter, <50kg
Azimuth	N X 360°
Elevation	+20° ~ -110°
Gimbal Rate	60°/sec
Power	280W(nominal), 400W(maximum)
Environmental	-20° ~ 55°(operating), -40° ~ 60°(storage)
Interfaces	RS422/RS232/ARINC429(optional)

Thermal Imager

Image resolution	640x480 pixels
Sensitivity	10mK typical
Field of views	Wide: 24° Medium: 5° Narrow: 1.2°

Day/Night CCD TV (HD optional)

Fields of View	Wide: 24° x 18° Narrow: 1° x 0.75°
Sensitivity	< 3 lux @f/1.6
Low Light Mode	< 0.1 lux @f/1.6

Laser Rangefinder

Laser Type	Erbium Glass (1540nm)
Accuracy	±5m
Range	80m to 20km

Spotter scope

Field of View	0.35° x 0.26°
Focus	Manually adjustable
Detector	1/3" CCD
Spectral range	0.4µm ~ 1.0µm