SiNAB

PHOENiX ISR POD

EXPLORE THE MOST INNOVATIVE SOLUTION ON THE MARKET FOR ISR ROLES

SiNAB is an innovative Australian SME supplying products and professional services to Government and aerospace industries

The Phoenix Pod is a fully integrated, self-contained sensor and rapid air-to-ground communication system which attaches to an aircraft to provide ISR capabilities.

Applications include:

+ **BUSHFIRE ISR**
+ **SEARCH AND RESCUE**
+ **COASTAL SURVEILLANCE**
+ **BORDER PATROL**
+ **DISASTER MANAGEMENT**

www.sinab.com
+61 (0)2 **9188 0355**

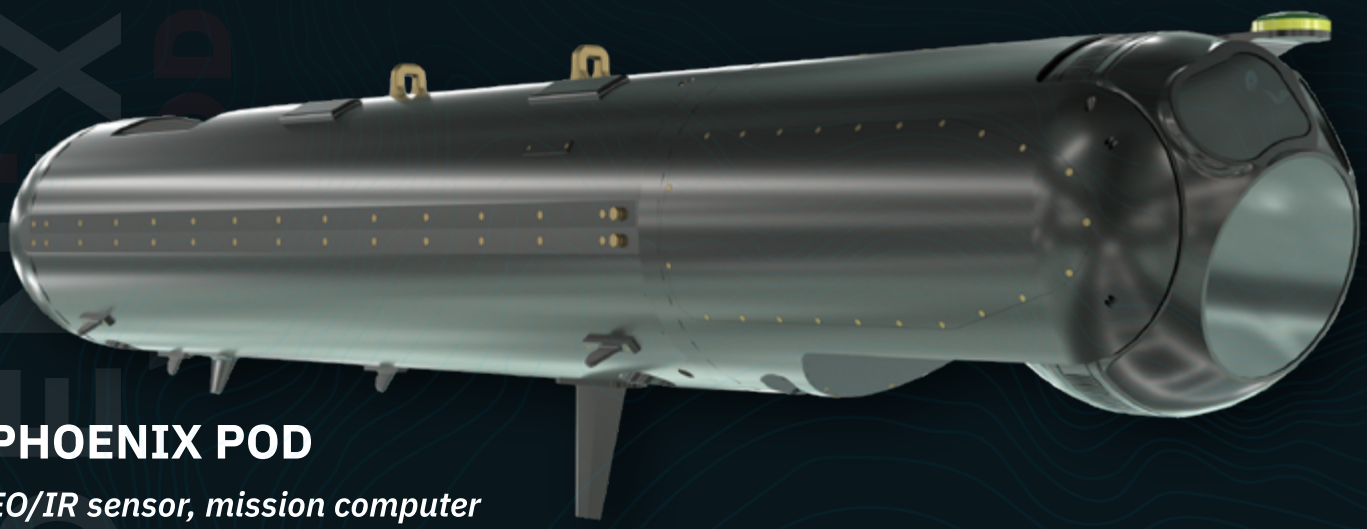
PHOENIX ISR POD

AN INNOVATIVE, AERIAL-SURVEILLANCE SOLUTION FOR PRECISION MILITARY AND CIVIL APPLICATIONS

High-tech capabilities with zero aircraft modification

Designed and manufactured by SiNAB, the Phoenix POD uses contemporary technologies, ensuring high-performance capabilities providing long-range day-and-night surveillance and live air-to-ground communications.

Suitable for military and civilian applications, including close air support or search and rescue operations, the Phoenix POD can be fitted to aircraft with 14” NATO pylons.



PHOENIX POD

EO/IR sensor, mission computer and air-to-ground communication

+ Multiple configurations available
+ 12.7” turret diameter
+ 14” NATO lugs for ease of connection to a range of aircraft
+ Electro-Optical (EO) sensor
+ Medium-wave infrared (MWIR) sensor
+ Short-wave infrared (SWIR) sensor
+ Mission computer
+ Video downlink (VDL)
+ Lithium polymer battery or aircraft power
+ Wireless communication to cockpit
+ Multiple air-to-ground radio configurations
+ Laser range finder

PHOENIX COCKPIT

A pilot operated Human Machine Interface (HMI) which provides sensor control without permanently modifying the aircraft

+ Tablet-based HMI sensor and communications system

PHOENIX GROUND STATION

+ Fixed or Mobile
+ Enables operation from the ground
+ Enables operation and viewing of live video from the ground at extended ranges.
+ Record and replay functionality

The Phoenix POD is designed and manufactured in Australia

STORES LOAD

"Can be easily integrated into a range of fixed wing and rotary wing aircraft"

Long-Range, High Definition Imaging

10km slant range

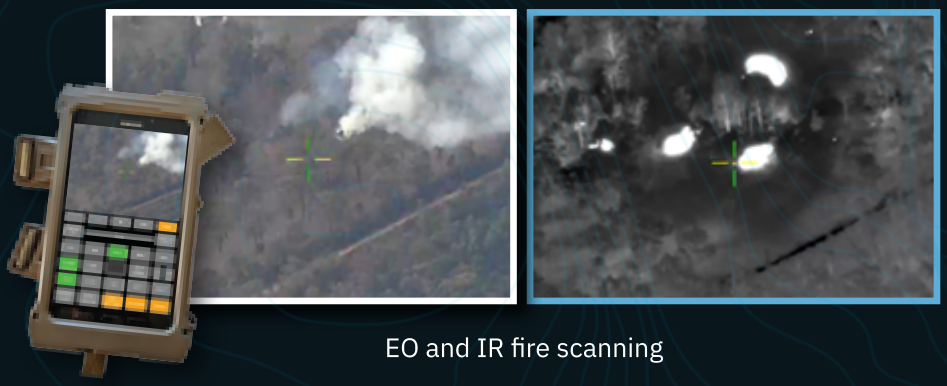
16km slant range

20km slant range

Multi-Spectral Imaging

Instantly switch between the EO, medium wave IR and short wave IR cameras.

IR imagers see through smoke and highlight the exact locations where fires are burning.

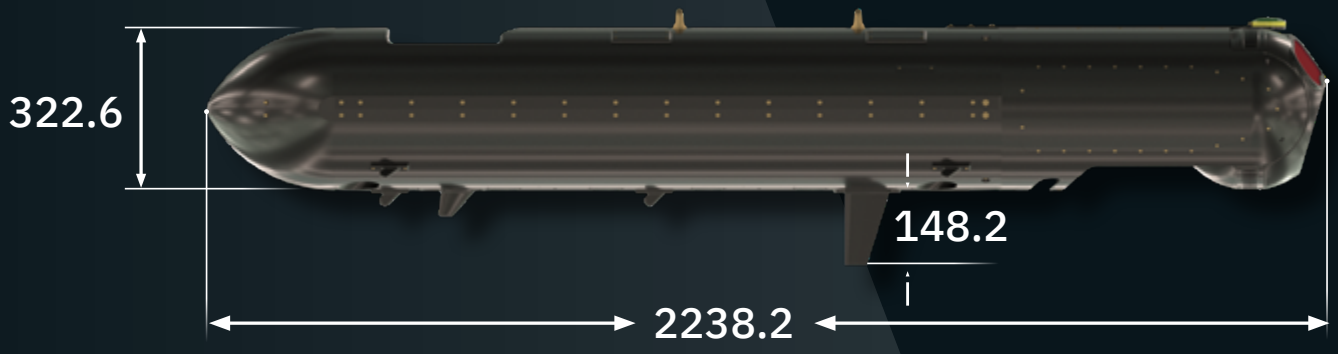


EO and IR fire scanning

TECHNICAL DETAILS

DIMENSIONS

(mm)



DESCRIPTION	VALUE
Maximum G-Loadings	-2.5g to +5.0g
Maximum Air Speed	480 knots
Operational Ceiling	30,000ft
Ambient Operating Temperature (°C)	-40 to +50
Total Mass	104kg

SiNAB

ENGINEERING THE FUTURE OF AEROSPACE & DEFENCE

Delivering high-tech products, services and solutions to meet real-world challenges

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