Application Scenarios

Navigation Environment Inspection



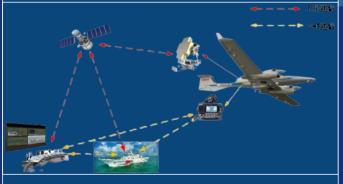
- Capture of infrared HD video of ship navigation environment.
- Capture static and dynamic ship information, navigational history, and past data in the area.
- Classification and display of merchant ships, fishing boats, dangerous goods vessels and other types of vessels.

Intelligent Forensics of Illegal Targets



- · Alert for illegal berthing, unauthorized AIS use, and illegal discharging.
- Utilize AIS to gather data on illegal ships, guide photoelectric target tracking, and capture clear details such as ship name, identification number, and national flag as evidence to support law enforcement efforts.

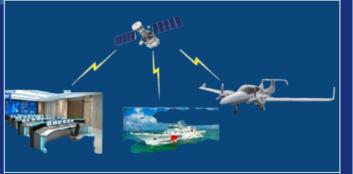
Real-time Communication at Sea



Marine VHF radio supports real-time communication between vessels at sea and the ground command center.

Sea-to-ground real-time communication using airborne VoIP calling for SATCOM and BeiDou shortwave system.

Real-time Information Transmission



- Transfer acquired information in real-time to the ground command center or maritime law enforcement vessel.
- Receive real-time information from the ground command center or maritime law enforcement vessel.



Sentinel

-Maritime Patrol Aircraft

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All or any specification given in the brochure are for reference and the manufacturer reserves the right to final interpretation. Data is subject to change without prior notification. Images may showcase experimental aircraft.

Introduction

• Large-scale & long-distance investigations, tracking, and maritime supervision of illegal activities;

- Reliable to assist law enforcement agencies;
- Guarantee the marine traffic navigation;
- Highly ensure the maritime safety.

Technical Specifications/

Dimension (Length/Height/Wingspan)	8.56 m/ 2.49 m/ 13.55 m	28 ft 1 in/8 ft 2 in/44 ft 4 in
Max. operating altitude	5,486 m	18, 000 ft
Max. cruising speed (16,000 ft)	352km/h TAS	190 KTAS
Stall speed	130km/h TAS	70 KTAS
Economical cruising speed	280km/h TAS	151 KTAS
Typical airborne operations time ¹	6-8 h	6-8h
Max. range	2,357 km	1, 275 nm
Fuel capacity	289 Lt	76.4 US gal
Fuel consumption	24.2 Lt/h	6.4 gal/h
Twin-engine rate of climb	6.8 m/s	1, 325 fpm
Take-off/ Landing distance	886 m/ 647 m	2, 907 ft/2, 122 ft
Empty weight/ MTOM	1,365 kg/ 2,001 kg	3, 009 lbs/4, 411 lbs
Useful load	636 kg	1, 402 lbs
Demonstrated crosswind	46 km/h	25 kts

¹ With standard mission equipment and 2-man crew.

