

HONEYWELL **RDR-7000** **WEATHER** **RADAR SYSTEM**

Weather Intelligence for Defense Operations



Honeywell

HONEYWELL RDR-7000 WEATHER RADAR SYSTEM

The Honeywell RDR-7000 Weather Radar System is a cutting-edge solution designed to provide unparalleled weather data and situational awareness for defense and military applications. With advanced features tailored to the specific needs of the defense market, the RDR-7000 ensures safer, more efficient, and successful mission execution across a wide range of aircraft platforms.

The RDR-7000 is an advanced weather radar system designed to provide unparalleled situational awareness, safety, and mission efficiency for defense and military applications. Equipped with Honeywell's cutting-edge IntuVue 3D technology, the RDR-7000 offers a comprehensive and detailed view of weather conditions to support critical decision-making during challenging missions.

ENHANCED SITUATIONAL AWARENESS FOR MISSION SUCCESS

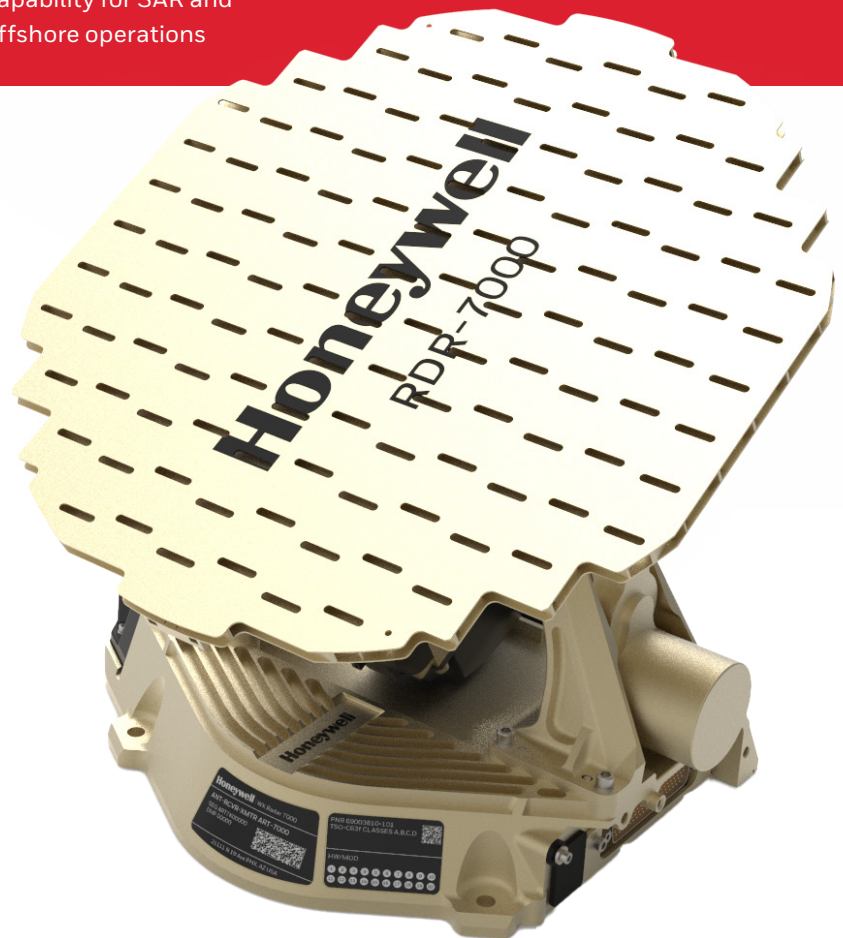
The Honeywell RDR-7000 empowers pilots with unparalleled situational awareness during defense and military operations. Its IntuVue 3D technology provides a comprehensive and detailed view of weather conditions, enabling informed decision-making and effective response to rapidly changing environments.

Key Features:

- Real-time weather data for improved flight safety and mission efficiency.
- Accurate identification and interpretation of weather patterns and hazards.
- Comprehensive weather information to support critical mission decisions.

KEY FEATURES:

- Enhanced situational awareness with IntuVue 3D technology.
- Robust design and reliability in demanding environments
- High-resolution imagery for accurate weather data interpretation
- Compatibility with a wide range of military aircraft platforms
- Advanced detection capabilities for hazardous weather phenomena
- Seamless integration with existing avionics and mission systems
- Maritime vessel surveillance capability for SAR and offshore operations





ROBUSTNESS AND RELIABILITY

Built to withstand the harsh and challenging environments, the RDR-7000 offers robust performance and reliability. The system's rugged design ensures consistent performance even in the most demanding conditions, reducing maintenance requirements and downtime, and increasing operational readiness.

COMPATIBILITY AND INTEGRATION

The Honeywell RDR-7000 is designed to be compatible with a wide range of military aircraft platforms, including transport aircraft, helicopters, and special mission aircraft. The system's versatile nature allows for seamless integration with existing avionics and mission systems, promoting standardization and simplifying maintenance.

CERTIFICATION	
TSO	TSO-C63f

RDR-7000 SPECIFICATIONS	
Weight	13 lbs (5.9kg)
Input Power	28 VDC
Power Dissipated	70 W
Environmental	DO-160G (-55 ° C to +70 ° C)
Software	RTCA DO-178C

TRANSMITTER/RECEIVER	
Transmitter Type	Solid State Gallium Nitride (GaN)
Transmitter Method	Pulse Compression

ANTENNA SYSTEM	
Flat Plate	12" and 18"

SYSTEM SPECIFICATIONS	
Max Detection Ranges	320 nm - Weather and Ground Map
	60 nm - Turbulence
	5 nm - Windshear
Azimuth Coverage	+/- 60 degs - Weather and Ground Map
	+/- 40 degs - Windshear
Elevation Coverage	0 to 60,000 feet
Environmental	DO-160G (-55 ° C to +70 ° C)

**THE
FUTURE
IS
WHAT
WE
MAKE IT**

Honeywell