

# INTUVUE RDR-7000 WEATHER RADAR SYSTEM

Providing an unmatched and comprehensive view of weather across all stages of flight to operate more safely, comfortably and on schedule.



**Honeywell**

# WEATHER CAN'T HIDE

Comprehensive information about weather conditions is a critical factor for efficient, reliable, and safe aircraft operations. Weather related delays, cancellations and damages are costly to aircraft operators annually. For more than 100 years, Honeywell has developed flight safety systems for all types of aircraft and spacecraft and our innovation continues with the latest in the IntuVue weather radar family.

## INTUVUE RDR-7000 WEATHER RADAR SYSTEM

With the RDR-7000, we're bringing our industry-leading IntuVue weather radar technology in a lightweight, more powerful and easily retrofitted single line replacement unit to fit more business aircraft platforms. This weather radar provides:

### A Complete View

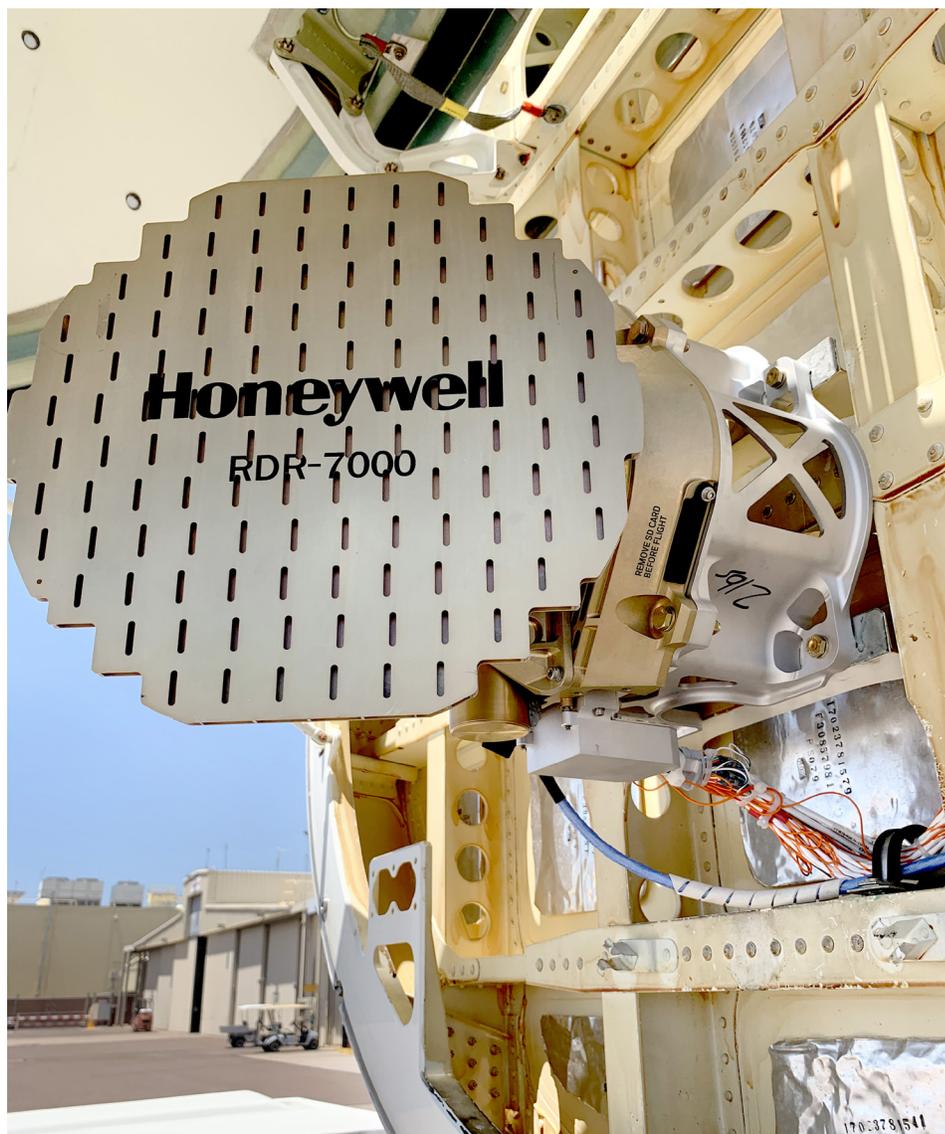
The IntuVue RDR-7000 uses 3D volumetric scanning across an extensive detection range to create a complete, real-time view of weather from 0 to 60,000 feet and up to 320nm from the aircraft.

### A Continuous View

The radar is fully automatic and does not require active pilot adjustments of tilt and/or gain for operation, reducing workload in the cockpit. Instead, pilots can focus on flying the most comfortable and safest route through weather.

### An Intuitive View

Every year, thousands of aircraft are impacted by hail and lightning. The IntuVue RDR-7000 hazardous weather display is designed with core human factors principles, enabling the flight crew to quickly assess the relative severity of storm cells.



**An Actionable View**

The comprehensive and accurate perspective across all phases of flight, combined with more time to react to weather hazards, allows pilots to calculate the best strategic and tactical responses.

**A Valuable View**

The unique display capability and easy-to-interpret symbology help operators reduce or eliminate weather-related incidents, flight delays or unnecessary route deviations. The IntuVue RDR-7000 can enhance safety and passenger comfort and reduce costs of operation.

**Maritime Surveillance Capability for Rotorcraft**

Enhance Search & Rescue and Oil & Gas missions through detection and display of seaborne vessels and structures. Advanced surveillance features include Target Overlay, Sea Clutter Reduction, and Sector Scan.



| CERTIFICATION |          |
|---------------|----------|
| TSO           | TSO-C63f |

| ANTENNA SYSTEM |             |
|----------------|-------------|
| Flat Plate     | 12" and 18" |

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

| 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)             |

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

**For More Information**

[aerospace.honeywell.com/RDR7000](https://aerospace.honeywell.com/RDR7000)

**Honeywell Aerospace**

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FUTURE  
IS  
WHAT  
WE  
MAKE IT**

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