# INTUVUE RDR-7000 WEATHER RADAR SYSTEM

For Rotary-wing Applications

## PROVEN RADAR TECHNOLOGY

**The IntuVue series was the first radar certified to the FAA Enhanced Turbulence Minimum Operating Performance Standards (MOPS)**

## IMPROVES SAFETY

**Advanced, forward-looking weather detection and avoidance capability shows all weather hazards, all the time**

- Detects hazards along flight path
- Predictive wind shear detection and alerting
- Improved contingency decision making with off-path weather detection

## 26% IMPROVEMENT

**In weather avoidance decision-making ability to detect and re-route around storms sooner**

- Enhances decision making
- Reduces delays, turn backs and diversions
- Enhanced weather related situational awareness during critical inflight emergencies

## MORE COMPLETE VIEW OF WEATHER

**Radar automatically and continuously scans the airspace up to +/- 60 degrees**

- Volumetric 3-D scanning
- Pulse compression technologies
- Extended turbulence detection to 60nm
- Predictive lightning
- Predictive hail

## TURBULENCE AVOIDANCE

**Based on in-service data for the IntuVue Series; Compared to aircraft equipped with conventional radars**

- Precise turbulence locator
- Improves safety by expanding situational awareness time
- Hazardous weather alerting
- More effective routing and re-routing decisions

## REDUCED AIRCREW WORKLOAD

**Automated weather detection displays significant weather without requiring manual tilt adjustment**

- Greatly reduces aircrew workload
- Improves safety by expanding situational awareness time
- Hazardous weather alerting
- Advanced mission specific software modes such as Maritime Mode and High Fidelity Ground Map

## VALUE 7500+ HOURS MEAN TIME BETWEEN FAILURE

**System uses direct drive, DC brushless mechanical drive with coaxial rotary joints, and a solid-state transmitter design to improve operational uptime**

## >50% WEIGHT REDUCTION OVER MAGNETRON RADARS

**Lower system–installed weight provides more favorable CG loading**

## REDUCED MAINTENANCE COSTS

**80% improved mean time between unscheduled removal (MTBUR)**

- Reduces operational expenses
- Minimizes spares
- Decreases operational delays

## NEAR DROP-IN READY REPLACEMENT

**Installation kit permits near plug and play capability for legacy Honeywell Primus Weather Radars**

**For More Information**

aerospace.honeywell.com/RDR-7000



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