**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

**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
- Advanced mission specific software modes such as Maritime Mode and High Fidelity Ground Map

**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

**REDUCED MAINTENANCE COSTS**
80% improved mean time between unscheduled removal (MTBUR):
- Reduces operational expenses
- Minimizes spares
- Decreases operational delays

**REDUCED WEIGHT REDUCTION OVER MAGNETRON RADARS**
Lower system–installed weight provides more favorable CG loading

**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

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

For More Information
aerospace.honeywell.com/RDR-7000

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