

**THE NEXT PHASE
OF HELICOPTER
COCKPITS.
UPGRADE TO 8.**



Honeywell

HOW DO YOU IMPROVE ON SOMETHING EPIC? SIMPLE – UPGRADE TO PHASE 8.

At Honeywell, we know how important advanced and reliable technology is – especially when you're a pilot. Clear vision in the cockpit means less fatigue and increased safety, comfort and efficiency. That is why we have developed the AW139 Phase 8 upgrade for the Epic 2.0 integrated avionics system. It delivers superior functionality, enhancing visual clarity and improving situational awareness. This allows for safer operations in marginal weather conditions in a wide variety of demanding operations, where the AW139 proves its industry-leading capability every day.

COMPLETE YOUR MISSION IN CHALLENGING WEATHER CONDITIONS

Raising the bar for technical innovations in the cockpit, the Phase 8 upgrade is based on our proven SmartView™ technology that ensures high integrity databases provide pilots with clear blue sky day views even during the most challenging operations. Working together, Honeywell and Leonardo have also provided the best available navigation performance. Retaining the .3 RNP operations approval that was first offered with Phase 7, Phase 8 will continue to offer the most advanced navigation capabilities available in the industry.

The new cockpit standard offers significant improvements that are beneficial to Oil and Gas, Police and Government, Search and Rescue, VIP transport, and Emergency Medical operators – making Phase 8 an ideal configuration for your helicopter, no matter it's mission.

The upgrade delivers new custom approach capability, with new, more intuitive, flight path based flight director guidance, a new collective power cue, and Cursor Control Devices (CCD) that are superior in comfort and ergonomics. With new color maps, showing more Visual Flight Rules (VFR) symbology like major and minor roads along with integrated terrain display, AW139 pilots enjoy an even better level of situational awareness.

With a designator that allows quick entry of pilot defined waypoints combined with the new custom approach Flight Management System (FMS) feature, pilots can very quickly build a string of waypoints with constraints for smooth stable approaches to any landing site, including oil platforms.

Updated search patterns have also been tailored for helicopter cockpits, enhancing overall efficiency and enabling pilots to use autopilot flown patterns, meaning you are free to safely coordinate search and rescue, even in the worst terrain and weather conditions.



ENSURE SAFETY BEYOND STANDARDS

The right solution if you want to achieve the highest levels of safety on your helicopter, Phase 8 for AW139 offers hardware and software that is reliable, powerful, and flexible. Additions to the Multi Function Displays (MFDs) include improved INAV information with "hover over" airspace info, nearest airports function, and quick lat./long. info or waypoint creation with the CCD designator capability.



THE NEXT PHASE OF HELICOPTER COCKPIT TECHNOLOGY. UPGRADE TO 8.

As a provider of navigation, display, flight-control and flight-management systems, Honeywell's cockpit technologies lead the industry in terms of innovation, reliability and efficiency. Our situational-awareness products and solutions give you the ability to fly operations in the most demanding weather conditions.

With Phase 8, you benefit from features that go well beyond mandates. These features include the latest cockpit technologies like our track-based SmartView™ (Synthetic Vision System) with the best operating flexibility in the industry, improved INAV maps, and best-in-industry search patterns.



KEY FEATURES

SVS

- Unique automatic dual-axis primary flight display centering modes with lower pilot workload
- Maintain active terrain and helicopter positional awareness through all phases of flight
- Intuitive, easy to use interface minimizes impact to transition training

System Benefits

- Flight efficiency
- Mission capability
- Flight path vector based flight director guidance and collective power cueing
- Safety improvement

INAV

- Interactive layered presentation of flight plans, terrain, obstacles, aeronautical information, radar, traffic, geopolitical boundaries, airspace, highways, railroads and other symbology all on a single lateral map display
- Strategic view on HSI presented with visual continuity to SVS
- Interactive menus and map features, such as direct radio tuning off of the map, via enhanced cursor control capability
- Designator waypoint function supporting Custom Approach FMS capability, enables very fast waypoint string building for special approaches into helicopter landing areas and oil platforms
- Map management function including zoom, pan, center and declutter

System Benefits

- Improved situational awareness
- Enhanced user experience and reduced workload in high workload situations
- Efficiency in flight through enhanced strategic view, awareness of airspace and landmarks
- Improved safety and passenger comfort with more stable approaches and smoother transitions even at off-airport landing areas
- Improved imagery – complete display software update

FLIGHT MANAGEMENT SYSTEM (FMS) ENHANCEMENTS

- Custom approach function enables smooth stable flight paths into a wide variety of landing sites, including oil platforms
- Flight plan upload/download/iPad flight planning
- Helicopter landing areas, including elevated platforms, are shown on Primary Flight Display (PFD), enhancing situational awareness during approach and landing

System Benefits

- Improved maneuverability
- Better, more stable flight paths
- Best navigation performance with .3 RNP operations capability retained from Phase 7
- Improved landing area access
- Reduced flight times
- Reduced workload

Honeywell Aerospace

1944 East Sky Harbor Circle
Phoenix, AZ 85034

aerospace.honeywell.com/upgradeto8

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**THE
FUTURE
IS
WHAT
WE
MAKE IT**

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