On a Mission.

Bell Helicopter®
A Textron Company

The ARC Horizon® flight deck, incorporated into the Bell 525 Relentless, provides unparalleled crew situational awareness through the use of a fully-integrated flight deck coupled with an advanced fly-by-wire flight control system resulting in enhanced safety levels and mission capabilities.

AWARENESS

Game-changing integrated flight deck providing exceptional situational awareness

- Excellent over-the-nose and non-obstructed visibility provided by side-stick controls
- Ergonomic, efficient layout with de-cluttered and efficient “paperless” flight deck
- 3-D audio, TCAS-II, ADSB In/Out, HTAWS, Helicopter Synthetic Vision Technology™, Enhanced Vision Technology
- Seamless integration of multi-directional vehicle cameras into displays providing exceptional viewing from pilot/copilot seats

REACTIVE

Proactive hazard interventions through high-bandwidth advanced capabilities

- Intuitive and integrated level of pilot interface for seamless human reaction time
- Automatic transition into autorotation descent to provide the flight crew with more vital time to deal with emergency management in critical situations
- Fly-by-wire capability to automatically and quickly respond to OEI condition
- Improved safety achieved through reduction in crew workload
- Intuitive, simple pilot/avionics interface with adaptable touchscreen controls
- Fault-tolerant systems via automated, seamless, transient-free management of system redundancy
- Traffic advisories and recommended evasive maneuvers via TCAS-II

CONTROL

New standard for vehicle control in austere environments – precisely, safely, consistently

- Superior handling qualities enabled by fly-by-wire advanced control laws
- Ergonomic, side-stick controls providing closer access to displays and improved over-the-nose viewing
- Carefree maneuvering and envelope protection
- Tactile limit cueing to maximize “eyes-out” flying
- Transitional rate command for superb low-speed handling
- Basic ship automatic approach to hover and auto-hover capability and automated departure profiles
- Full-time, high integrity gust alleviation and stability augmentation