EHANG INTRODUCES VT35, A NEXT-GENERATION LONG-RANGE PILOTLESS PASSENGER EVTOL

News / Manufacturer

EHang announced the launch of its new-generation long-range pilotless eVTOL aircraft, the VT35. Building on the foundation of the earlier VT30 prototype, VT35 is an upgraded lift-and-cruise model designed for medium- to long-range applications including intercity, cross-sea, and cross-mountain transportation. With its autonomous flight capability, point-to-point efficiency, and eco-friendly electric propulsion, VT35 is set to play a pivotal role in advancing the low-altitude aerial mobility ecosystem from urban to intercity corridors. This launch not only marks a significant expansion of EHang's product portfolio, but also represents a new milestone for China's intelligent manufacturing on the global eVTOL stage.

The "VT35 Global Debut" launch event took place on October 13, 2025, at Luogang Park in Hefei, Anhui Province. During the event, EHang's new-generation long-range eVTOL aircraft—VT35—was officially revealed, drawing significant attention for its cutting-edge design and advanced technological features. EHang also announced the official price of the VT35 standard version in the China domestic market, set at RMB6.5 million. Following the comprehensive preliminary design validation and rigorous R&D debugging, VT35 has successfully completed its transition flight test, achieving a critical step in its technical breakthrough. The flight video was unveiled at the launch event.

VT35 features a tandem-wing layout with a two-seat configuration. It employs eight distributed lift propellers for vertical take-off and landing, transitioning to a pusher propeller and fixed wings for efficient cruise flight. With a fully loaded design range of approximately 200 kilometers, VT35 delivers both long-range capability and compact versatility. Compared to its predecessor VT-30, VT35 maintains superior aerodynamic efficiency and flight stability while achieving a more compact footprint – measuring approximately 8 meters in length and wingspan, and 3 meters in height, with a maximum takeoff weight of 950 kg. This compact design reduces ground operational risks and enhances cost-effectiveness. Notably, VT35 is compatible with existing EH216-S vertiports and can utilize a wide range of urban takeoff and landing sites, including parks, rooftops, parking lots, etc. This interoperability greatly enhances infrastructure utilization and supports seamless intercity air mobility directly between city centers.

Building upon EHang's technological strengths in autonomous flight system, fleet management, and full-redundancy design, and supported by its command-and-control system, standardized vertiports, and charging platforms, VT35 can operate automatically and enable coordinated fleet operations based on pre-set flight routes. It is also equipped with obstacle detection and avoidance, ensuring a high standard of operational safety. It is engineered to transform intercity aerial travel into a safe, routine, and efficient transportation experience—redefining spatial connectivity and unlocking the full potential of the low-altitude economy.

In March 2025, the Civil Aviation Administration of China accepted EHang's type certificate application for the VT35 eVTOL aircraft. The model is currently undergoing airworthiness certification, with internal testing and experimental flights progressing steadily. Drawing on the successful certification experience of the EH216-S, EHang is applying its proven technical and regulatory insights to streamline VT35’s review and approval process.

VT35 is designed to provide a safer, more efficient, eco-friendly, and cost-effective solution for both intra-city and intercity transportation needs. It is envisioned to create "one-hour air mobility living circles" across major metropolitan clusters such as the Yangtze River Delta, the Pearl River Delta, and the Beijing-Tianjin-Hebei region, as well as within bay areas and archipelagos. The operational experience accumulated by EH216-S operators – particularly in obtaining Air Operator Certificates and executing trial commercial operations – provides a valuable foundation for accelerating VT35's commercialization roadmap and operational model. Together, VT35 and EH216-S are expected to work synergistically to build an integrated low-altitude transportation network that supports diverse applications, seamlessly bringing pilotless eVTOLs into everyday life. This ecosystem-oriented approach lays the groundwork for a scalable low-altitude economy driven by aircraft, real-world use cases, and enabling infrastructure.

Furthermore, EHang plans to leverage the VT35 platform for continued innovation, such as developing a tilt-rotor model to expand into more diverse applications.

13 OCTOBER 2025

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