

What is Bayraktar Akinci?

December 30, 2024 • vajiramandravi.com



About Bayraktar Akinci:

- It is a **long-endurance unmanned combat aerial vehicle (UCAV)** developed by **Turkish** drone manufacturer Baykar.
- It has been designed to perform various operations supporting fighter jets. It is capable of performing **air-to-ground and air-to-air attack missions**.
- **Features:**
 - The combat drone has a length of 12.2 m, a height of 4.1 m, and a wingspan of 20 m.
 - It stands out for its **payload capacity** of up to **1,500 kilograms, flight range of 25 hours**, and **range of 7,500 km**.
 - It is equipped with dual satellite communication systems, air-to-air radar, electronic support systems, collision avoidance radar, and synthetic aperture radar.
 - It is equipped with a triple redundant flight control system.
 - The **dual artificial intelligence (AI)-powered avionics system** integrated into the platform helps in improving signal processing, sensor fusion, and situational awareness in real time.

- The UCAV will be fitted with **different weapon payloads** such as laser-guided smart munitions, missiles, and long-range stand-off weapons.
 - It is also the **first drone capable of launching an air-launched cruise missile (ALCM)**.
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Q1: What is a supersonic missile?

A supersonic missile is a type of missile that travels at speeds greater than the speed of sound, which is approximately 343 meters per second (1,235 kilometers per hour or 767 miles per hour) in air at sea level. These missiles are designed for high-speed travel to achieve rapid strike capabilities, reduce reaction time for targets, and enhance their ability to evade interception.

Source: [IN](#)

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