



System

The ZY-90 UAV is an information acquisition platform and precision strike weapon organically combined with information technology weaponry, capable of rapid deployment for immediate detection and timely strike against targets beyond visual range, while having good acoustic stealth characteristics that make it difficult to be detected, identified or tracked at a very close range. It can provide real-time images and GPS coordinates location for the manipulator for information gathering, identification/location or target killing.

System Architecture

- Flight vehicle platforms.
- Flight control navigation.
- Measurement and control links.
- Guidance heads.
- Ground stations.
- Launch cartridges.

Technical parameters

- Endurance: ≥ 40 min.
- Cruising speed: $30\text{m/s} \sim 40\text{m/s}$.
- Typical working altitude: $50\text{m} \sim 300\text{m}$.
- Maximum takeoff weight: 10kg.
- Load capacity: $\geq 2.5\text{kg}$.
- Diameter after folding: $\leq 140\text{mm}$.
- Fuselage length: $\leq 1069\text{mm}$.
- Power: Electric drive.
- Navigation and positioning mode: BD/GPS.
- Reconnaissance guidance head: Visible/infrared.
- Take-off mode.: Barrel launch (10 barrel cluster launch).
- Control radius: 20km.
- Communication frequency band: L-band.
- Strike accuracy: 1.5m (CEP).