

RQ-16 T-Hawk



RQ-16 T-Hawk

| | |
|-----------------|--------------------|
| Role | Surveillance UAV |
| National origin | United States |
| Manufacturer | Honeywell |
| Primary user | United States Army |



RQ16A

https://en.wikipedia.org/wiki/Honeywell_RQ-16_T-Hawk

The gasoline engine powered RQ-16 is reported to weigh 8.4 kilograms (20 lb), have an endurance of around 40 minutes, 10,500-foot (3,200 m) ceiling and an operating radius of about 6 nautical miles (11 km). Forward speeds up to 70 knots (130 km/h) have been achieved, but the G-MAV is operationally restricted to 50 knots (93 km/h) by software. VTOL operation is subject to a maximum wind speed of 15 knots (28 km/h). Sensors include one forward and one downward looking daylight or IR cameras.

General characteristics

Crew: None

Gross weight: 18.5 lb (8.39 kg)

Fuel capacity: 2.1 lb (0.95 kg)

Powerplant: 1 × 3W-Modellmotoren 3W-56 56cc Boxer Twin piston engine , 4 hp (3 kW)

Performance

Maximum speed: 81 mph (130 km/h, 70 kn)

Endurance: 40 minutes

Service ceiling: 10,500 ft (3,200 m)

Operational altitude: 100-200 ft (30-70 m)

The **Buster** is a portable mini-UAV built by Mission Technologies Inc. (also known as MiTex). The UAV, which features a unique **twin-wing arrangement** (a trademark of MiTex designs), is launched with a small catapult and recovered by parachute. It has a payload capacity of 1.4 kg (3 lb) for EO/IR (Electro-Optical/Infrared) type surveillance equipment.

<https://www.designation-systems.net/dusrm/app4/buster.html>

Buster

| | |
|------------|----------------------|
| Length | 1.04 m (3 ft 5 in) |
| Wingspan | 1.26 m (4 ft 1.5 in) |
| Weight | 4.5 kg (10 lb) |
| Speed | 65 km/h (35 knots) |
| Ceiling | 3000 m (10000 ft) |
| Range | 10 km (6 miles) |
| Endurance | > 4 h |
| Propulsion | ? |

