

Unmanned Aerial Vehicle (UAV) System Fact Sheet

AEROLIGHT

Contractor: Aeroteam
17 Ha'amal Street
Atek Industrial Park
Rosh Ha'ayin 48092 ISRAEL



System Description: The Aerolight UAV is a low-cost mission-flexible system consisting of 3-5 fully equipped air vehicles, mission control station with ground data terminal, and integrated logistics support package. The system is available with optional launch and recovery station, remote payload operation terminal, and launcher/recovery parachute. Primary applications of the system are tactical reconnaissance and surveillance, target acquisition and gunfire adjustment, and a training system for high-end UAV systems operators.

System Capabilities:

Wingspan:	13.3 ft
Length:	8.4 ft
Height:	2.75 ft
Weight (w/payload):	80 lbs (max)
Payload	11 lbs
Range:	27 nm
Endurance:	5 hrs
Speed:	50-80 kts
Altitude (MSL):	10,000 ft
Propulsion:	Quadra two stroke, 100 cc, 7 hp
Payloads:	TV CCD colored sensor, (IR InSB sensor under development), stabilized pitch/yaw gimbals system, 20-200 mm zoom lens.

Program Summary:

The Aerolight system is used as a small UAV testbed for payload and systems integration. The Universal Miniature Avionics System (UMAS) integrated Aerolight will support demos of exercises using a wide variety of payloads.