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## About AVision Systems Ltd.

AVision Systems Ltd. designs and manufactures innovative, cost-effective, Precision Attack Loitering Munitions (PALM) Systems for customers worldwide. The PALM Hero series is comprised of advanced loitering munitions systems, designed for different missions at various ranges using HE, Anti-Tank or Thermobaric warheads. The company's solutions are tailored for unique flight qualities, precision attack munitions, advanced airborne guidance and navigation systems, and C4 stations fully integrated with communications links.

AVision Systems is an endeavor with a purpose to deliver indigenous and innovative solutions customized for the unique Indian Operational Requirements from Tactical Level to Operational/ Theater Level Loitering Munitions for use by Air, Land and Naval Forces.

AVision is a Joint Venture between UVision Air Ltd, an Israeli-based global leader in the area of Loitering Munitions Systems of all sizes and missions and Hyderabad-based Aditya Precitech Pvt Ltd (APPL), who have been involved in several missile projects of the DRDO as a development partner of critical sub-systems.

For more information on AVision, please visit [www.avisionsystems.com](http://www.avisionsystems.com)

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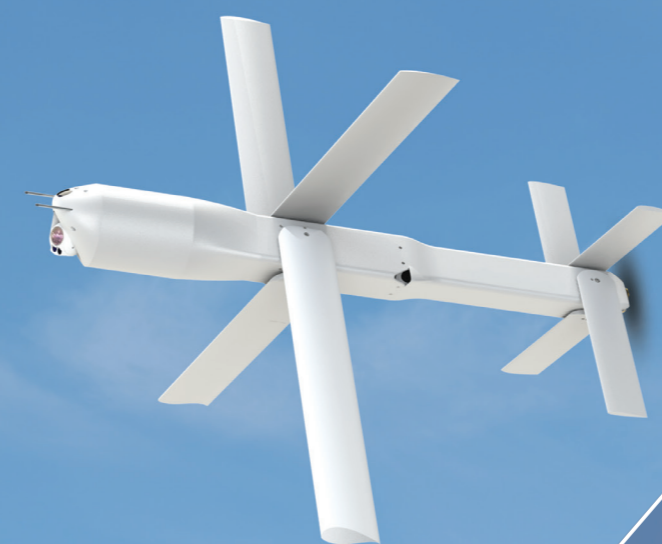
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**AVision**  
Lethal Loitering Systems



**PALM Hero-120** Portable, Versatile Precision Attack Loitering Munition (PALM)



**AVision**  
Lethal Loitering Systems



Advanced Loitering System for Multiple Missions



User Friendly Control Unit

✓ Key Features

- › Canister launch
- › Powerful 10 lb warhead
- › Complete connectivity with existing systems
- › Fully gimbaled and stabilized day/night tracking of humans/vehicles
- › Independent, beyond-LOS precision
- › Low acoustic, visual and thermal signatures during launch, flight and terminal phase
- › Full mission abort and target re-engagement capability

✓ Key Operational Benefits

- › Recoverable with use of parachute
- › Effective against a broad range of targets: armored vehicles, tanks, buildings, moving targets, men in the open
- › Attack at any angle up to vertical
- › Pinpoint strikes with minimal collateral damage
- › Versatile intelligence and attack capabilities
- › GPS or manually selected targets

TECHNICAL SPECIFICATIONS

| Parameter                | Value                         |
|--------------------------|-------------------------------|
| Flight Endurance         | 60 minutes                    |
| Typical mission altitude | 1500 ft. above ground +/- 500 |
| Max. data link range     | 40 km                         |
| Speeds                   | 50-100 knots                  |

| Parameter              | Value                  |
|------------------------|------------------------|
| Weight                 | 12 kg                  |
| Length                 | 1.34 meters            |
| Wing span (tip-to-tip) | 1.41 meters            |
| Warhead                | 4.5 kg (multi-purpose) |

 Versatile Loitering Munition System with Modular Warhead

PALM Hero-120 is a precision loitering munition system with a unique aerodynamic structure that can carry out pinpoint strikes against mid-range hard targets – vehicles, tanks, concrete fortifications – and personnel in populated urban areas or remote locations – with minimal collateral damage. It features a multi-purpose modular warhead that can be completely customized to customer specifications.

Independently operated by frontline forces, PALM Hero-120 is man-pack portable or launched from a variety of platforms. The lethal loitering system features extended loitering endurance time and can precisely strike time sensitive targets from a range of angles and directions. Its mission abort capability allows automatic reentry into the loitering mode, re-engagement of the enemy, or return to the recovery area using a parachute while securing the warhead.

Versatile, Multi-Operational System

Suitable for deployment from air, land and sea, PALM Hero-120 features high-speed transit flight and low-speed loitering, making it versatile enough for almost any assignment – from intelligence gathering to attack missions. The system has the ability to operate autonomously, semi-autonomously, or manually depending on mission requirements (man-in-the-loop attack capabilities) and is suitable for division, command and battalion levels.

Powerful Penetration Capabilities and Extended Flight Time

The largest of AVision's short-range systems, PALM Hero-120 features powerful warheads with a weight of 26 lb; ideal for tactical missions requiring longer flight times. Offering independent, beyond-LOS precision, PALM Hero-120's rapid reaction speed in response to time-sensitive targets provides it with a critical advantage in populated areas.

Advanced abort capability

The abort capability allows automatic reentry into the loitering mode, re-engagement of the enemy, or return to the recovery area using a parachute. This makes PALM Hero-120 a cost-effective weapon of choice on today's asymmetric battlefield.

PALM Hero-120 System Components

