

# PUSHPAK 450 - The Micro air vehicle

Pushpak 450 is an all composite Micro Air Vehicle being jointly developed by CSIR-NAL & DRDO-ADE. It is designed with excellent flight characteristics and robustness for quick deployment for various surveillance applications. With short setup time needed for deployment, it is ideal for short reconnaissance mission. Pushpak 450 is perfect eye in the sky with steerable-nose mount camera.



## PUSHPAK 450 Features

- Fully Autonomous operation
- All composite construction
- Rugged system for harsh environment
- Ready to deploy system
- Hand launched
- One man portable
- User friendly interactive GCS

## Specifications

Wing Span	450mm
Weight	800 g
Endurance	Around 45mins*
Speed	15 m/s
Operational Altitude	100m AGL
Launch	Hand launch
Recovery	Belly Landing

## Ground Control Station (GCS)

- User-friendly Interface
- Point and Click waypoint navigation
- Pre flight check before launch
- Return to home at loss of data link
- RPV and Safety pilot
- Auto land at home for low battery



\*Under ideal Conditions

## Applications

### Military

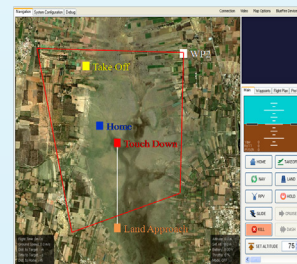
- Situational awareness
- Border and coastal patrol
- Force protection
- Battle damage assessment

### Home security

- Search and Rescue Mission
- Law enforcement

### Scientific

- Remote sensing
- Weather monitoring



GCS Screen



Onboard Camera Images and Gimbal payload



Hand Launched System

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