



REPARO DEFENCE UAV SOLUTIONS

FPV + GRENADE DROPPER DRONE

Product Overview

The REPARO FPV Drone is engineered for high-altitude, long-range missions. Its lightweight carbon fiber frame, robust brushless motors, and dual-antenna FPV system ensure performance in demanding environments.

Key Features

- Carbon fiber frame – lightweight & durable
- Long-range motors
- 10" + high-lift propellers
- Integrated FC + ESC stack
- Superfast with speeds up to 90 kmph
- 6S Lithium battery
- Analog FPV camera + 5.8GHz VTX ($\geq 1.6W$)
- Auto RTH on signal or battery fail
- Made in India content > 70%



Technical Specifications

Parameter	Specification
Flight Endurance	30+ minutes without payload
Max Takeoff Weight	< 3.5 kg
Operational Ceiling	500 m AGL
Max Service Ceiling	4500 m AMSL
Transmission Range	5 km +
Wind Resistance	Up to 20 m/s
Battery	6S
Grenade Dropping mechanism	RC controlled up to two grenades

FPV KAMIKAZE DRONE

Product Overview

The FPV Kamikaze Drone is a single-use, high-speed tactical drone intended for direct engagement and target neutralization. It combines FPV precision piloting with high-speed maneuvering and is designed to carry explosive payloads for mission-specific strikes. Compact, agile, and deadly, it is ideal for strike missions in contested zones.

Key Features

- Lightweight & high-speed carbon fiber body
- One-time use, high-impact kinetic or explosive delivery
- Analog FPV camera + long-range VTX
- Manual FPV control with reinforced signal redundancy
- Capable of speeds exceeding 100 kmph
- Configurable payload (kinetic/explosive)
- 70%+ indigenous components



Technical Specifications

Parameter	Specification
Flight Endurance	10–15 minutes
Max Takeoff Weight	< 3 kg
Speed	> 100 kmph
Transmission Range	Up to 5 km
Power System	6S Lithium Polymer
Camera	Analog FPV, 5.8GHz, ≥1.6W VTX
Payload	Detachable warhead/explosive
Construction	Carbon fiber body

MODEL T TRAINING DRONE

Product Overview

The Model T Drone is a type-certified RPAS tailored for institutional training and basic surveillance missions. With an emphasis on mapping, surveillance, and drone pilot instruction, it balances stability, endurance, and functionality. The drone comes with endurance up to 60 minutes.

Key Features

- Key Lightweight, compact design (MTOW: 3.2 kg)
- Dual payload support:
 - 24 MP Mapping Camera (ADTI) for high-resolution aerial surveys
 - 1080p Surveillance Camera (Skydroid) with gimbal stabilization
- Endurance up to 60 minutes (without payload), 50 minutes (with payload)
- GNSS-enabled for precision positioning
- Ideal for drone training academies and multipurpose applications (mapping, surveillance, training)
- Make in India content > 70%



Technical Specifications

Parameter	Specification
Flight Endurance	50 minutes with heaviest payload 60 minutes without payload
Max Takeoff Weight	3.2 kg
Operational Ceiling	120 m AGL
Max Service Ceiling	4120 m AMSL
Transmission Range	Up to 1.2 km
Flight Modes	Auto Waypoint, Loiter, Auto RTH
Wind Resistance	10 m/s
Payload 1	Mapping 24 MP camera
Payload 2	1080P Surveillance Camera

TACTICAL SURVEILLANCE + GRENADE DROPPER DRONE

Product Overview

Designed for tactical reconnaissance and payload delivery, this compact UAV integrates advanced EO/IR sensors and precision drop mechanisms. Ideal for ISR operations and rapid deployment in contested zones.

Key Features

- 4X Digital zoom camera
- IR Thermal Imaging with up to 25 Hz refresh Rate.
- Grenade Drop Mechanism available
- Multi GNSS constellations (GPS + GLONASS)
- Auto Return-to-Home on signal loss, low battery.
- IP54 Rated for harsh environments
- <40 dB noise signature at 400 m
- Compact design
- Made in India content > 70%



Technical Specifications

Parameter	Specification
Flight Endurance	40 minutes without Grenade 25 minutes with Grenade
Max Takeoff Weight	< 3.5 kg
Operational Ceiling	500 m AGL
Max Service Ceiling	3500 m AMSL
Transmission Range	Up to 10 km
Flight Modes	Manual, Auto Waypoint, Altitude Hold, Auto RTH
Wind Resistance	Up to 10 m/s
RGB Camera Resolution	2560x1440 pixels
Thermal Camera Resolution	384x288 pixels

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