

# AEROSCOUT

**LONG-ENDURANCE MULTI-ROLE SCOUTING DRONE**



*Surveillance | Reconnaissance | Border Patrol | Infrastructure Monitoring*

## Overview

AeroScout is a long-endurance multi-role drone engineered for live aerial surveillance, border patrol, perimeter monitoring and infrastructure inspection. With real-time video streaming, AI-assisted detection and robust performance, it's ideal for wide-area security, wildlife tracking, traffic monitoring and search and rescue support in challenging environments.

## Key Advantages

**Extended Mission Time:** Up to 50 minutes of flight endurance

**Superior Range & Altitude:** 20 km line-of-sight range and up to 3 km ceiling height

**Modular Payload Options:** Stabilized HD camera with optional thermal or zoom modules

**Intelligent Surveillance:** Real-time video streaming with AI-assisted object detection

**Tactical Portability:** Foldable carbon fiber frame for rapid deployment

**Autonomous Operation:** Waypoint patrols, GNSS navigation and failsafe return-to-home

**Quick Turnaround:** Hot-swappable battery system for minimal downtime

**Rugged Performance:** Handles wind resistance up to 12 m/s

## Mission Profiles

Border & Coastal Surveillance

Critical Infrastructure Inspection

Wildlife & Forest Area Monitoring

Urban Traffic & Crowd Observation

Emergency Search & Rescue

## Technical Specifications

| Specifications     | Functionalities                                                                        |
|--------------------|----------------------------------------------------------------------------------------|
| Frame              | : Carbon fiber foldable frame                                                          |
| Max Flight Time    | : Up to 50 minutes                                                                     |
| Operating Range    | : Up to 20 km (line-of-sight)                                                          |
| Ceiling Height     | : Up to 3 km AGL                                                                       |
| Max Takeoff Weight | : 4.5 kg                                                                               |
| Wind Resistance    | : Up to 12 m/s                                                                         |
| Payload            | : Stabilized HD camera, optional thermal or zoom modules                               |
| Features           | : Real-time streaming, AI object detection, waypoint navigation, hot-swappable battery |
| Control            | : Secure long-range telemetry link                                                     |
| Navigation         | : GNSS-assisted with failsafe return                                                   |