PI DRONE

Our state-of-the-art drone surveillance system provides comprehensive security monitoring with advanced threat detection capabilities

MISSION PLANNER

- ✅ Remote Control of Cameras
- ✅ Pilot Authorization Live Video
- ✅ Live Video Feed
- ✅ Video processing using AI
- ✅ Automatic Data Logging
- ✅ Flight Management
- ✅ Drone Health Monitoring
- ✅ Quantum keys encryption

KEY FEATURES

- ✅ Real-Time Threat Detection
- ✅ Advanced computer vision analytics
- ✅ Instant alert generation
- ✅ Automatic threat classification
- ✅ Continuous monitoring capability
- ✅ 10 Kgs
- ✅ 40 Mins Endurance
- ✅ Single Pilot Operation
- ✅ No internet required
- ✅ AI for monitoring Threats

AMS-India

Zed GOLD

Technical Specifications

1. UAV Parameters

S. No.	Specifications	
1.	UAV Type	Multi Rotor Hex-Plus Copter
2.	Operational Endurance	Up to 45 Minutes
3.	Wind Resistance	Up to 45 Km/Hr (6.5m/s)
4.	UAV Weight	9 Kgs.
5.	UAV Dimension	(1300 x 1300 x 350) mm
6.	Communication and Range	- Telemetry Communication 5.8 GHz - Up to 15 km Locally (Line of Sight)
7.	Data Privacy	End-to-end A rated Encryption
8.	UAV Speed	Cruise: 10 Meters per Second
		Maximum: 15 Meters per Second
9.	Service Ceiling	900 Meters AMSL
10.	Operational Altitude	120 Meters AGL (can reach up to 900 Meters AMGL with required permissions)
11.	Multi-Payload Capability	Available
12.	Motor	6 nos. Dust and Water-resistant BLDC Motors
13.	Propeller	Made of Carbon Fibre: 16 inches
14.	UAV Frame	Made of Alluminium
15.	Battery Specifications	Capacity: 21,000 mAh
		Composition: Lithium Ion
		Voltage: 25.2 V
16.	Battery Charger	Fast Charging: 75 Minutes
		Normal Charging: 150 Minutes
		Power Output: 150 W
		Power Input: 220V AC
17.	Operating Crew	Max. one person
18.	Ingress Protection Rating	IP 53
19.	Warranty	One Year
20.	Fail Safe Trigger Smart Return to Launch (RTL)	Communication Failure
		Low Battery
		Geo-fencing Breach
		Mission Too Big
21.	Geo-Fencing	Automatic
		Geo-Fencing Breach – Position Hold
22.	Anti-collision Lights	LED strobes
23.	Auto-Disarming Timeout	10 Seconds

2. Ground Control Station

S. No.	Specifications	
1.	Weight	850 Grams
2.	Dimension	(189 x 138 x 41) mm
3.	Battery Life	10 Hours
4.	Waterproof	IP 53
5.	Screen	5.5" High Brightness HD LCD Touch screen
6.	Application	Mission Planner
7.	Geo-fencing	Yes
8.	Communication and Range	5.8 GHz, 12 Kms. (Line of Sight)
9.	Encrypted Communication	Yes
10.	Video Transmission	1080p Full HD
11.	GSM SIM Card Compatible	Yes
12.	One Click NPNT Approval	Optional
13.	RAM and ROM	2GB and 16GB
14.	Mission Support	Fully Autonomous Survey Missions
		Altitude Hold and survey
		Hover at a Defined Waypoint
		Single Click Geo-fencing
		Fixed Path Mission Planning
		Auto-Take-off and Land
		Manual Flight Support w/ Video-based Navigation
15.	UAV Parameters Displayed	UAV Location
		Battery Health (indicator)
		Covered and Planned Path
		Camera View
		Flight Plans
		Pilot ID and UAV ID
		UAV Home Location
		Pre-flight Health Checks
		UAV Altitude, Speed, Angles
16.	User Controlled Flight Functionality	Take off and Land
		Hover
		Yaw, Pitch and Roll