THE CYPRUS INSTITUTE

RESEARCH•TECHNOLOGY•INNOVATION

UNMANNED SYSTEMS RESEARCH LABORATORY

FOREST INSPECTION

FIRE PREVENTION SYSTEMS

- Robustness
- Compactness
- Agility
- Extreme Thrust
- Long Range
- High Endurance
- High Speed
- Operation in Extreme Weather
- Rapid Deployment
- Advanced Autopilot System
- Training for specific operations
- Customizable Software

Forest Inspection UAS Solutions

Specifications

High Agility & Robustness
Extreme Thrust
High Manoeuvrability
Low Mass (1.1 Kg – 1.3 Kg)
Max Horizontal Speed (50 m/s)
Max. Ascend Speed (25 m/s)
Max. Descend Speed (50 m/s)
High Ceiling (6km)
Fast deployment time <1m
Operation in Extreme Weather
Flying time: up to 80 minutes

Specialist Services

ΤΜΗΜΑ ΔΑΣΩΝ
DEPARTMENT OF FORESTS

Fire prevention monitoring
UAS Research & Development
UAV Pilot Training
Ongoing Collaboration with the Cyprus Department of Forests

Features

Emergency Response ready
Fire detection at early stage
Fast Arrival on Target
Smart Patrolling mode
Detailed Situation Assessment
Close Proximity Inspection
Day and Night Operation
Fire perimeter mapping

Other Applications

Border Patrol
Search and Rescue
Early warning
Illegal Activity Monitoring
Offshore Infrastructure Inspection
Shipborne Inspections
Police Patrolling
Operational safety enhancement
BVLOS target acquisition
Battle Damage Assessment
Convoy Escort
Tactical level coordination
Communication monitoring
Relaying & jamming

More information

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