



TÜBİTAK
BİLGEM



MINI UAV INTEGRATED IED DETECTION SYSTEM

Mini UAV Integrated IED Detection System, designed for future operational environments, is an innovative product that elevates capabilities of security forces in mine, IED and cable detection to a new level. Thanks to its ability to move regardless of challenging topographical conditions, it can detect explosives in hard-to-reach areas without endangering personnel lives.



MINI UAV INTEGRATED IED DETECTION SYSTEM

TECHNICAL SPECIFICATIONS	
Sensor Payloads	EMI (Metal Detector) GPR (Ground Penetrating Radar) Gradiometer
Detection Ability	Anti-personnel mines Anti-tank mines Improvised explosive devices (IED) Plastic explosives Cables Underground cavities, tunnels and power lines
Weight	Mini UAV ≤ 10 kg Payloads ≤ 4,5 kg Control unit ≤ 3,5 kg
Semi-Autonomous Features	Area search Route search Point search Return to home
Capabilities	Soil compensation Scanning on flat or rugged terrain Night and day operation Low false alarm rate Distinction between cables, metal and non-metal objects Map pointing
Equipment	Proximity sensor 1920x1080 resolution optical camera FPV goggles Drone cage Fiber optic cable
Military Standard	MIL-STD 810G and MIL-STD-461 IP67 (Carrying case)

