Roboteam

IRIS®
Individual Robotic Intelligence System

→ OVERVIEW

The IRIS® (Individual Robotic Intelligence System) is a miniature, fast deployable, ruggedized, hand-carried, unmanned systems. It is designed to support several units such as SWAT, Public Safety, Military, and Law Enforcement. The IRIS® can enter small and confined spaces, above or underground, to explore hazardous areas while relaying intelligence and reconnaissance information in real time.

→ SYSTEM HIGHLIGHTS

Innovative lightweight miniature system suitable for any military, law enforcement, or public safety ISR missions

A Hand-carried, ruggedized and throwable system fit for extreme conditions: indoors, outdoors, urban warfare or disaster zones

Controlled by a ruggedized tablet, allows operators to successfully complete any tactical mission from a safe stand-out distance, reducing exposure to hazards

→ MAIN APPLICATIONS

SWAT Operations

Urban Warfare

Public Safety

Subterranean and Culvert Inspection

Mobile Communication Relay

HUMAN DRIVEN

→ PLATFORM SPECIFICATIONS

PARAMETER	DESCRIPTION
Dimensions (L x W x H)	9.4 x 8 x 4.3 in / 24 x 20.5 x 11 cm
Weight	3.7 lbs / 1.85 kg
Max Payload Weight	2.2 lbs / 1 kg
Speed	2.5 mph / 4 Km/h
Communication	Secure digital encrypted
Operating Range	650 ft / 200 m LOS
Power Supply	12V Replaceable battery
Working Time	2-3 hours
Payload Ports	CAN bus, 5V, 12V, RS232*
Mechanical Interfaces	Picatinny rail
Video & Cameras	2 integrated cameras for real time day & night video + zoom, laser & audio
Sensor Tilt Module	-60° / +70°
Illumination Module	NIR LED, adjustable brightness
Operational Temperature (MIL STD.)	-4° to 140°F / -20° to 60°C
Environmental	IP65

ROBOTEAM DEFENSE
22 Aharon Bart St.
Petah Tikva, 4951448 Israel
T +972.3.6870008