

IRIS®

Individual Robotic Intelligence System

→ OVERVIEW

The IRIS® (Individual Robotic Intelligence System) is a miniature, fast deployable, ruggedized, hand-carried, unmanned system. 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-off distance, reducing exposure to hazards

→ MAIN APPLICATIONS

SWAT Operations

Urban Warfare

Public Safety

Subterranean and Culvert Inspection

Mobile Communication Relay

→ PLATFORM SPECIFICATIONS

<u>PARAMETER</u>	<u>DESCRIPTION</u>
Dimensions (L x W x H)	8 x 9 x 4.3 in (20 x 23 x 11 cm)
Military Standards	Ruggedized, IP65
Weight	3.7 lbs (1.85 kg)
Max Payload Weight	2.2 lbs (1 kg)
Speed	3 mph (5 Km/h)
Communication	Secure digital encrypted
Operating Range	700 ft (200 m) LOS
Power Supply	12V Replaceable battery
Working Time	1-2 hour battery
Payload Ports	Ethernet, RS232, audio, video
Mechanical Interfaces	Picatinny rail
Video & Cameras	2 integrated cameras for real time day & night video + zoom, laser & audio
Sensor Tilt Module	+/- 90°
Illumination Module	NIR LED, adjustable brightness
Operational Temperature (MIL STD.)	-4°F to 140°F (-20°C to 60°C)

