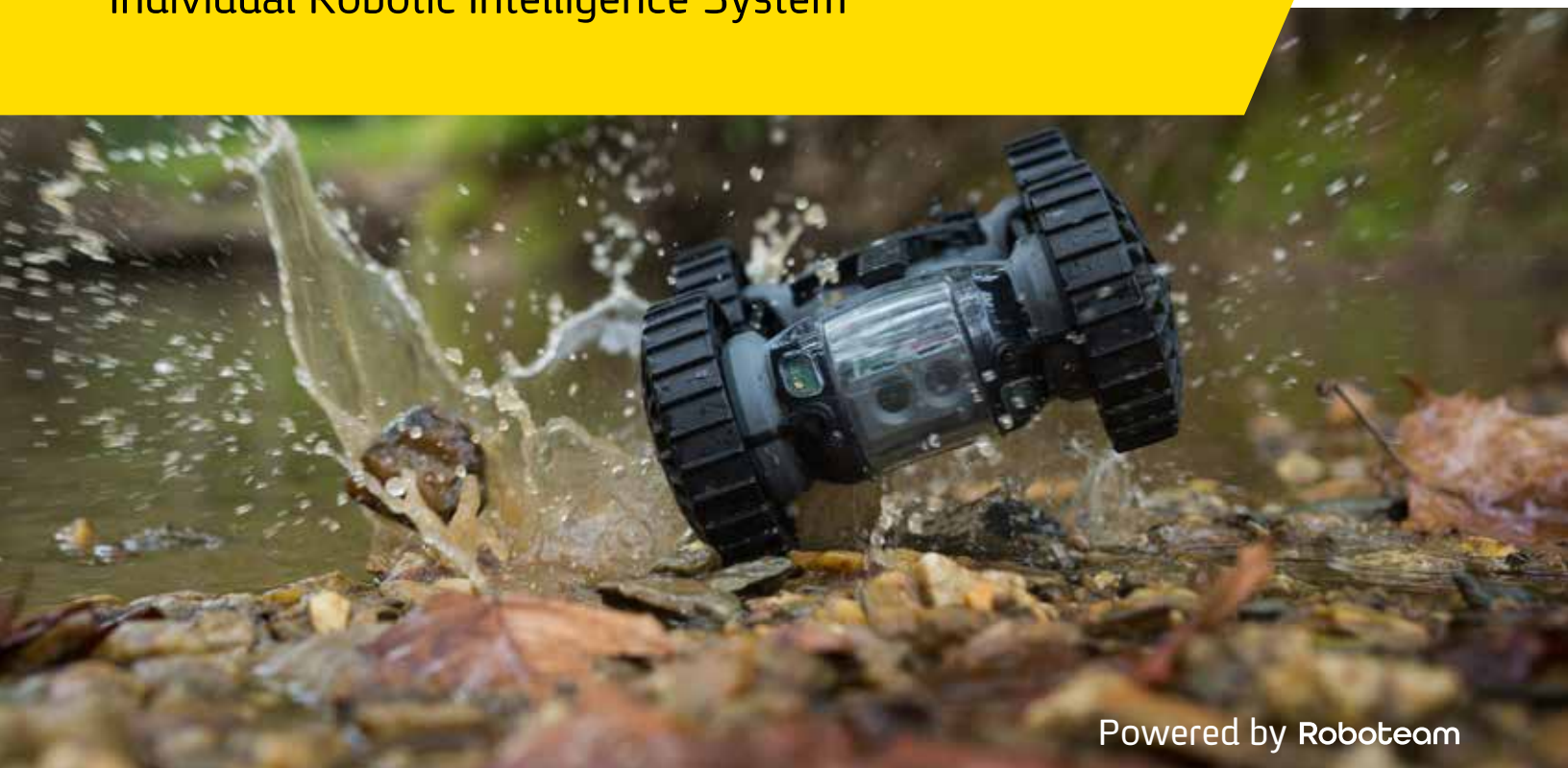# IRIS™

Individual Robotic Intelligence System

Powered by **Roboteam**

The IRIS (Individual Robotic Intelligence System) is a miniature, rapidly deployable, ruggedized, hand-carried, unmanned system. The system is designed to support 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.

Elbit Systems™
C⁴I and Cyber

IRIS

Individual Robotic Intelligence System

System Highlights

Innovative, lightweight miniature system suitable for the full range of military, law enforcement, or public safety ISR missions.

Hand-carried, ruggedized and throwable system suited for extreme conditions: indoor, outdoor, 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

Technical Specifications

Parameter	Description
Dimensions (LxWxH)	9.4 x 8 x 4.3 in / 24 x 20.5 x 11 cm
Environmental	Ingress Protection 65
Weight	3.7 lb / 1.85 kg
Max Payload Weight	2.2 lb / 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, I/O, RS232, video
Mechanical Interfaces	Picatinny rail
Video & Cameras	2 integrated cameras for real-time day and night video + zoom, laser and audio
Sensor Tilt Module	-60°/+70°
Illumination Module	NIR LED, adjustable brightness
Operational Temperature	-4°F to 140°F / -20°C to 60°C

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